

<400> 12323

ataggggtctt atcaatatatt tgcaaataaa ccaaaattaa atacagactt gtttaatttc 60

tgaatctctc tcttctctct tctcgcgagc tttttctctc tgggttttagg gttccggtaa 120

ttttgcgacg acaccgagcg attcgtgcct ccttccctt cctttgactt cggtttctaac 180

ttgattacca gtgagaagta ggctaagatg gaaatcatgt caagagagaa tgagactgct 240

ttgtcaggtc ctaggccgat ggaatgggtct accgtccac acagtgcttc tcaaggacct 300

ggtcccaatg gcaagaaccg gaccg 325

<210> 12324

<211> 216

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-079-Q1-E1-B3

<400> 12324

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ataacagaat cagctcctga atctgctctt atcaccaaac ttcttggttt cgaaggcact 120

tttcttoga aacattactc cgggtatgtg acaattgata aggaacatgg aaagaatcta 180

tggtattact ttattgaatc ggagaagaat ccatca 216

<210> 12325

<211> 398

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-078-Q1-E1-F8

<400> 12325

cagaaaaaaa ataacaacaa caacaataat ggcgtctttt gcaacccatc ttgttgttgt 60

tgttacaatg ttgtttgtag ccatggcctc cgcggagatg cttcaagatg tttgtgttgc 120

tgatttgtct aatgcggtca aggtcaacgg atacacttgc aaggactcaa cacaaataac 180

accagaagac ttctacttca aaggcttagc caacattgcc gccacaaaca cctctaccgg 240

ctcagtcgtg accggagcca acgtagaaaa gctaccggga ctcaacactc tcggcctctc 300

catgtcccgc atcgactacg ccccaaaccg cctaaaccca ccccatgtcn acccacgtgc 360

ctccgagcat cattttccgt ccttggaggt caagctct

398

<210> 12326
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-A2

<400> 12326

aaatcaaaaa ttgcgcgaga gcacaaaccc taatggcttc tctctcaatg gttccgtta 60
acgttagctt ctgtcatcct ttacgtctt cttctccaaa ggtctcactt cgcagttccg 120
ttcatttcgc gacgagtctt tctcaagtc actccatttc tgggcttcgc gctgttttgc 180
ctctgaagat ttctacagtt gttccccca attctcaaaa gttcattct tttaccgttt 240
tcgctcataa gggctacaag atgaagaccc acaaggcctc agcgaagcgg ttcagagtga 300
cgggtagagg gaagattgtg aggaggagat ctgggaaagc angcatttgt tagctaagaa 360
gaacaacang aggaaattac gtctatccga aaatgacggn agtgaaccgg gagcgactat 420
gacaacgtga ttg 433

<210> 12327
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-A4

<400> 12327

ttggtagccn gcaggccacc ganccggaat ncccgggncg acccaccnt nngcggacn 60
cttgggcgga cccttgggcg gacccttggg cggacncttg ggaaaaancg tctctcgctt 120
gagctgcgan gatgcaagca gtaaaaagat ccaggagaca tggtgaagaa gagccaacaa 180
tggtagaacc taaaaccaag tacgatcgtc agctcangat ttgggggggga agtaagtcaa 240
gcggncttgg ganaagccga gtatctgttt actcaattgt ggnccactg gttccgangc 300
tttgaagaat ctcgtaacttg gtggtgttgg taacatcacc gttgttgatg gatntaaggt 360
tcaatttggg gaccttggga acaatttcat ggtcgatgcc aagaatgttg gccaatcaaa 420

aanccaaaat ctgtttggtg ccgtttctcc aagagcctaa tgattccgtt aaacgccaaa 480
gtttaantga agg 493

<210> 12328
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-A6

<400> 12328

tcagtttctg ctatgatgaa catcananaa acatatgggt taagcaaaan gataanctgg 60
caaggagatc cgtgtgctcc tcagctttat cgggtgggaag gtttaaattg tanttatccg 120
gactccgagg gatcaagaat catatccttg aacttgaatg ggagcgantt gacaggttct 180
ataacatctg acatatccaa gctaacactg ttgacagtat tagatttatc acataatgat 240
ttatcaggag atattccaac attttttgct gagatgaagt cgttgaagct catanactta 300
agtggaaanac ccgaacctta atctcacagc aantcccaga ctctcttcag caanggggta 360
aaacagcaaa tcctttaaca ctaattttgg gtggnaaacc tgactccgac tcccananna 420
cnagag 426

<210> 12329
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-B1

<400> 12329

gtgttggatt atacaattgg tggatcagcc attgcccgtg gcataactcc aaatctggca 60
tctttttttg gtggtttgga caatcttctt gtgttcttag ctcgacaaac tataccccggg 120
gttgggtattg tgggtgatcc atgtgctgca cttttgatta tgattgtcac gatactacta 180
tgttttggga taaaggagag ttcaacagta caagcaattg taacatcagt gaatgtttgc 240
accttggntt tcatcanagt aagttgggtg atatttagct tgcaagactg gatgggttgg 300
atatgatctc cccaatgggt actttccttt tggactaaat gggatactgc cgggatnctg 360

ccgtannant cctctcanac attggaattt gatactgtaa ccaagtacgg ctgangaang 420
gtgaaaaaa 429

<210> 12330
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-B3

<400> 12330

tgctggttac ttatccgagt cctatgtatt ctacgaagca atactcacta gggagtactt 60
caaagatgga ttgtttcagg atctcaatat tgcaaacaag cagcttcggt ttcttgcaag 120
gtttcttatg gtgtgtttgg ttcttgcccg ccgtgagatg gtgcatcaac tcgttgatca 180
gtttaaacgg ttgattgatg aatgcaagag gacattccag gaaaccgatt ttaaggaatg 240
gaagggtggtg gcgcaggaaa tagttagatt tctgaaatcg gacactgcat tcatgaacat 300
tagacctcta agatacagtc ttgtattgga tcctaactcg gatgctggta ctccgcgtgc 360
aagtangtcc ttaangttga cggatgctaa tcntgagcaa ttaattactg taacgaggtc 420
aagta 425

<210> 12331
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-B4

<400> 12331

ttaactttcc taaaacaatg gctttaaaac atatgcaaat ctttctcttc gtcgctatat 60
tttcatcatt ctgtttctcc atcactcttt ctgctccact cgacaatgaa ctcatcatgc 120
aaaagaggca catcgagtgg atgactaaac acggccgtgt ctacgcggat gtgaaggagg 180
aaaacaatcg ctacgttggtg ttcaaaaaca acgtcgaacg cattgaacat ttaaataagca 240
ttccctgccg gaagaacttc aaacttgccg taaatcagtt tgctgattaa ncaaatgacg 300
aaattccgtc caatggtaaa ctgggttcaa aaggttccnc ggnaataacc aacccaaaagg 360

caaaactaaa atgtcgccgt ttaggtacca aaacgtttct tctgggtgctt tgccggtttc 420
tggtgactgg g 431

<210> 12332
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-B6

<400> 12332

tgaccacgct ccgattctcc atttctttcc cttttgactt ttcacttcca atttttcggt 60
atcagatctg gacgatgggt tcacaaatct ctacagcttg ttgtttctca tccaccaatc 120
gccaatttca cttccaaagc cgatcgtttc catgccctat gattcgtccc cagtcttttg 180
tagttaaaag tggtgatggg aatagctctg aaacaccaag cttctctaag ctatacanct 240
gaggtttcaa aacctgttgt tganaaaaca tccaaaccgt attccactgt tgatgaaact 300
gctaccaata aagagagcat cacagagnca agtagaggaa gatgttgcca cacaancant 360
aagagcagca aagatccacg acntctgttt cggcattcct t 401

<210> 12333
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-077-Q1-E1-B7

<400> 12333

ntaanggaaa aggattggan anttcnancg ggcnaattggc ttcacnagac attgtccatt 60
ttgtggnact acnanatgtc caanagggaa anatctcang ggtacaaccg cttcaaccag 120
aattgccttc gcantttttg acgtanatga naatccgtaa tatgaaaccg attcctccat 180
gaatgatctc gtctcgtgtg taaatgaagt gtgtacatat tatacattac ataaaccact 240
gcggcggtta aaaatcgctg tcgttttgcg cgattacata agctttttcc atttttaaaa 300
taaaaatgtc cagaatgtgg gatgtaagtt ncgaatgaag aagccggatg ttaancattt 360
ggcctgattt ctttttacat caatacttgg g 391

<210> 12334
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-077-Q1-E1-B8

<400> 12334

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cttcttcttc ttcttcttct tcttcttctt cttcttcttc ttcttcatat tttccctatg 60
atttggatct ctaaaatctt caatcccat gttctaattt aaaaaatcac aacactctct 120
ttatcatata ccctattata aaccaaactt tgatcctcga atatatttta ttaaaaagat 180
aatattcggtg tttctcatgt tggagtcata ataaagaaac ctttgtgttt taatttaatc 240
ccctccaaga aacctgaaga ttctaagaag ctgccattaa aactaataaa ggaagagagt 300
ccaaagaaga agaagaagaa gagaaaatgt cacgtcttga cgacatacct tcaagcccag 360
gcaaattcaa gatggagaaa tcttctact tgcacgtct cagattccaa tcttctctca 420
caa 423
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<210> 12335
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-C1

<400> 12335

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aaagcaagat ggatcagacg taacgtgagt acaactacac aaggtagtag aagcaacact 60
aagagcagtg tgttgggagg aacagttcct gtaaccagga ttatagatga agagagtaga 120
accaaggtag agccttttgg taatcttcag caacggcttg cgcaagataa agatctgtct 180
aagctcctca cggttatagt ctctgatctt gagacaactg gtttgcacg gaaaaatgag 240
cggataattg aaattgcagc tcaggatata gctgggtgtg gggtagagca catttcaaac 300
tcttgtcaac ccgggtgttg ttcctataac taacgcacat atccatggga atcacgaatg 360
atatgggccg tccanccnaa ggttccaaag gattggaana nctgataccg atatttccgn 420
cggnatgttg aaaag 435
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<210> 12336
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-C11

 <400> 12336

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 aaacgtggga aaaaatggcc ggaagtcttg taaaatgcag caagatccgt cacattgtga 120
 gactcagnca aatgctccgg cgatggcgta acaaagcgcg gttatcttcg gtcagccggt 180
 gtgtaccgtc ggatgttcca tctggacacg tggcagtttg tgtgggtagc ggttgcagga 240
 gatttgtggt gcgtgcgtcg tacctgaacc atcctatcat aagcaatctt ctggttcaag 300
 ctgaggaaga gtttggtttt gctaaccaag gaccgttggt tantccttgc gannaatcgg 360
 ttttcgaana agcgatncgg tttatatccc ggtctgattc ntc 403

<210> 12337
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-C12

 <400> 12337

ttggtacgcc ctgcaggtcc cnaaacggga nttcccgggn cgacccacgc atcnggaaaa 60
 ttcnnacnaa ntcncngtt gaanatgacg attaanccta aatcgccggc gagattcaag 120
 ctaggtaggc agtcttcgct tgcgccggaa tcaagaaccc cgattgatac gttaacggaa 180
 gatgaggacg acgacttggc tgcggcggct acagctggga tcggggatcc gacgattcgt 240
 ttaatgtatt tagccaacga aggtgatatc gatggcatca ataagatgct tgattcgggt 300
 actaatgttg attaccgtga catcgatgcc cgtactgctc ttcacgtcgc cgcttgtcaa 360
 ggacgaaccg atgtcgttga gctgctgctt agcctgtgtg ctaaggttga tacgaaggac 420
 cgatggggta gtacgcctct tgcagatgca gtgtattaca aaaa 464

<210> 12338

<211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-C2

 <400> 12338

cattcaattc ccaaaccaaa cagagcagaa gaacaacaag ttttgattct aaaaaaggaa 60
 gtttcccaag tatggatccg tcggagtatt ttgccggcgg caatccttcc gatcaacaga 120
 accagaagcg gcagcttcag atctgtggtc ctcgtccttc acctcttagt gttcaciaag 180
 actctcacia aatcaagaaa cctccaaaac accctgcgcc gccgccaat cgtgaccaac 240
 cgccgccgta tattcctaag agagccggtg gttatctacg ccgtatcccc caaggttgta 300
 nacgcaaccg cgtctgagtt catgaacgta gtccaagcga ctcacaggga tctcctcctg 360
 gtgttttcct cgaatctggc ggcgggtggag atgtttcacc ggcggcgagg ctacggtcca 420
 cggaatatgc tat 433

<210> 12339
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-C4

 <400> 12339

agcctncggg ttncacaaag agtggnggga aaagattcat gtcacattga acagtaatcc 60
 ttacatgata acttttggat tagtccaaga ttctattctc tcagattcca gattttgatc 120
 aactttggtg gctctcaatc ctcgccgcgc ttatgtcctt cacttattcc tcagccggtc 180
 tcgccctcgg catancccaa gttgtcggtt atgggaaggt gaagggaagt ctcactggga 240
 ttagcatagg agcagtaaca gagacacaga agatatggag gacctttcaa gctcttggag 300
 acattgcttt tgcttactcc tactccatta tcctcatcng agattcaagg acacagtga 360
 gtcaccacca tcagaagaga agacaatgaa gaaaggaaca cttgtgagcg tcagtgtaac 420
 gactatgttc aanaagttgg gtgggg 446

<210> 12340

<211> 404
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-A10

 <400> 12340

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 ttcaagatcc gggttacaccg ccgccgtgag gtttctccct atgctttccg cagctgttcc 120
 gaagatctta tcattctctcg ccgccgcac caccgtccgc aacttcagct ctaccggaag 180
 tcctctcacc agctaccaaa tcantaaacc ttccgccgtca aaatccttca cttccaggct 240
 tctccaccaa tcctcctccg ccggtactcc tccgcaacaa cttttcggcg cccgtagctt 300
 ctcanctccc agcagtgatt tcaacagcta ccacattaat ccgncgtcta actgggggaa 360
 tccgnatcgt gccggagagg aaagcntgtg tgagttganc gggg 404

<210> 12341
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-076-Q1-E1-F10

 <400> 12341

 ccggcgagtt cgactcgggtg attgattttt tctagaaaa ataaaatttc ttcttaacga 60
 ttgatcgatt ttggttttct atctttcgat tctagatcta gaattcaatt tgtgagggtt 120
 ggagatggcg agcgagctga tcaatcggcg acacgagacg gatcaaccaa ccgccgatgc 180
 ttattaccg aaaccaatca aaccatggtt caccgtgact cgtccgatgc gttacatgct 240
 ccgtgaacag agacttatct tcgttctcgt tggcattgca atcgctactt tggttttcac 300
 aattttccct cgctccacac aatcaacccc ttactcggat cttttctccg gttacggaat 360
 ccgaaccgga cgaatcgtac gttccggcta a 391

<210> 12342
 <211> 361
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: LIB25-076-Q1-E1-F2

<400> 12342

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tgtaataatg gcatcagagt tttgatcgga gaatctaaaa gtctcgactt ttcgaatttt 120
gttggtcgct ttcttaagga catgaatctc gcggtggcta gttttcgagg caatttcggc 180
gtcttgcgc aatgcagctc atgttgtagt cttcagtttc aagccttttg tagctgctac 240
ttccagtctc aaatttttgg ggcaaacaag gaacatctcc aaagggaaag aaggattctg 300
aaancttgaa aaaagtttca agaaagagaa gagacctttg ggntaagagg tgacgggaga 360
c 361

<210> 12343

<211> 356

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-076-Q1-E1-F4

<400> 12343

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gtactcaact ttcgtgatcg agtctcgga tgggttcaac aaacaaaca tatggatgtt 120
cattagggac atgatcaaag gaacattcct ctctgtcata ctaggccac ccattgttgc 180
tgcgataatt ttcatagtcc aagaaaggag gtccttatct tgccatctat ctgtggggat 240
tcatgtttat cctgtctcct aagtgatgat gactatatan ccgggtcttg atancaacgc 300
tcttcaacaa gttcantcct cctccaaatg ggngacctcc gggganaaga attgag 356

<210> 12344

<211> 245

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-076-Q1-E1-F5

<400> 12344

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tttgttatta tctgatgtcg aatatgcaat tctctcgtgg ttttaatccc tttgttatcc 120
tcttctgtcn cgccgtgggt gcaccaatta tateggntga tgctcgtatc ttgagaacgg 180
actattacca ngnaacatgt cctgatttcn acanaattgg tgcngtngaa ncnggtnacn 240
ancca 245

<210> 12345
<211> 365
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-076-Q1-E1-F6
<400> 12345

aaaaaaaaatc gacaacagtg cagacacacg ccgatttgcg agatacacac agtctcacct 60
aaaaatcgca aaagaagaaa aattcggatc aaaattgtct tcaagcatca tggatccata 120
caggggttcgt ccttcaagcg ctcatgatc ccctttcttc actacaaact cgggtgctcc 180
tgtctggaac aacaactctt ctttgactgt cggaactcga ggtccaatcc ttctggagga 240
ctatcatctg cttgagaaac tcgctaactt tgacagggag cggattcctg agaggggttg 300
tcatgccagg ggaaccagtg ctaagggttt cttgaagtc actcatggac attgccaact 360
tactt 365

<210> 12346
<211> 330
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-F8
<400> 12346

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gcatcaaaga cgattttact acacctggaa cacttgcccc aacaggattg ttccttggtg 120
gtaacaagta catggtaatc caaggagagc ctaatgccgt cattcgagga aagaagggag 180
ctggtgggtg ttaccatcaa naagaccacc ttagctttgg tatttggtat ctatgatgaa 240
ccantgactc ctggacaatg caatatggtt gtggagaatc tcggtgagta actgattgaa 300
tcngggctct gaaacttaag ctgctactat 330

<210> 12347
 <211> 388
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-G2

<400> 12347

tacaaaaaat aaaaatcctt aaaaatatat ccttatcttc aaccaagaat gggagaggtc 60
 caagaaggtc ccaaagttga acaagagaag aagccggctg ccaccgtagt cccagttgag 120
 actactgacg gcaagccaaa gagcggcgga ggagattccg cggcagcagc agcaccaccg 180
 gtcgccgcgg ttgtctctgc ctttgtttac aaagtggata tgcactgtga aggctgcgct 240
 aaagaagata aaagcnaatg gttaangcac tttgatggag tgaaagatgt gacggcanga 300
 tactgggtgg aaannaagct tttgggtggg cggaaaagat tgaatccaag tgaaaactcc 360
 aggnagaant tggganngan gaaanccg 388

<210> 12348
 <211> 378
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-G4

<400> 12348

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 taagaagagg gccaaagaaa ggatctggaa ttctttcttc ttcaagattt gtaaattgggt 120
 gttagtcttt caaagatcta aaatatcaag atcaggaaga aatgggaggt gacttgaaaa 180
 gccagctatc tagagagagc catgtgtttg gacttaaggt gtgggaagta attggtatag 240
 ctgttgcatc gctcatcata gctatcctct ctgttcnttc gtgttgtcnt acttcgaaaa 300
 agaaatcaag aagatngaaa accggtcttc cggttaacca aactcctccc ggtgggtctc 360
 caaagagatc agagaaag 378

<210> 12349
 <211> 368

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-G6

 <400> 12349

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 aagtcgtaga cttcgtgatg cactggctca agactctggg ttggagtctg aatacatact 120
 tgtaggctgt ggtgctgacg ancttattga tttgatcatg agatgcgtgt tacatcctgg 180
 ggagaagatt atagattgtc ctccaacttt ctcaatgtat gtgtttgatg cggctgtgaa 240
 tggancaggt gtcattaaca gttccaaaga aaccccgatt tcagcttgaa tgtagaccgc 300
 atcgctgaag ttgtagaact anaagaacca aatgcntact cntancntct cccaacaatc 360
 cagatggg 368

<210> 12350
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-H10

 <400> 12350

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 ggaggattca gaggtggaag agatggtggt ggaagagggt ttggagggtg aagaagcttt 120
 ggaggangcc gtaatggtga cagangccgt actgggcctc gcggcagagg acgtggtgcg 180
 cctccttggt ccttgaggga acaacctcgt ggaggaatga aanganggaa ancaaaagtg 240
 attgttgagc ctcaacagac atgnngggag tgtttaattg ctaagggtaa agaanaatgcn 300
 cttgtcacta aaaatttttg ttccgggtga aacctgttta caatgacgan aanaaccctt 360
 ngttcaaaat gaannatgga actanggggt tnaattacag aagntttngg naccngttt 420
 aaantt 426

<210> 12351
 <211> 53
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-H11

<400> 12351

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<210> 12352
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-H12

<400> 12352

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acctctctct ctaggtctct ttctctatct ccctctgttt actcccacag ctctaaaanc 120
gttttcgaat cgtcacanct ggagaaggaa gctaatactt ttctcatttt ggaactttga 180
ggaganatct gaaagttttt tnttttttgt tgttggtctg gatcggtcct gttccactct 240
cttcatcttc cgatcatcgt tattttcgaa gctctctaca aacaaaatcg attttttttc 300
tgggtaatct aaagaggtga ccgaaagaag aaaactttta cgttttgcat gggggtaaga 360
atggcagang ttaagaacnt ggangcangg gagatcgaga cgccttgg 408

<210> 12353
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-H2

<400> 12353

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aagctccctt tgacctcccc gattcggcga ctgttgctga tctgcaagaa gcgtttcata 120
agagagctaa gaagttttac ccgtcgaggc aaagactgac tcttcccggtg actcctggat 180
cgaaggacaa acctgttgct ctcaatagca agaaatcact gaaaggagta ctgtgatgga 240
aacaacaact ccttaactgt agtccttcaa agaactgggg ggcacaaatt tcctaanccg 300

anantcttcc tccttcgaag taatccttgg gncctctcct taannctacc cctggctcctt 360
 ttaactaach ttcccctggg ttaacaaatg 390

<210> 12354
 <211> 369
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-H4
 <400> 12354

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 tttctggctt cttgcttgac acatcaagct ttagggcgtg gtcgtggccg gccatcaccg 120
 gaaggaagct tggatccttc ttctcgcatc accgtagtcg gagttgtcta ctgtgacacg 180
 tgttctatca acactttctc aagacaaagc tatttcttac aagggtgtgg gaagttcatg 240
 tgacatgtag attcaaaagc aaagnttaac caaagnacaa cnananggga ngtgaacata 300
 tcaantannc aagaacaanc aagacangaa antggccggt gtacaagctc naagattccc 360
 tcacgtaag 369

<210> 12355
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-H6
 <400> 12355

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 aattttaatt agtttcttct gtgcataga gatcgatcga gagatgggtg cttcatcatc 120
 atcatctgtg tcggagaaat caatccatca attcaccgtc aaggatagct ccggcaagga 180
 gggtgacctt agcgtgtatc aagggaaagt gctgctccgt cgtcaacgtc gcttccaaat 240
 gcgggatttc acgggagtc aatttacacc caagctgacg gaactttaac cgggaaatna 300
 ttaaagatta agggtttggg ggtaattggg gggtttcct tgcaaccaag ttttctggtc 360
 cccaangaag cctgggcacc aagcgaaaga agg 393

<210> 12356
 <211> 367
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-H8

 <400> 12356

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 catatgctca agctcccgca ccatggaatc catctaattg gtttcgtccg gggacatgtg 180
 ancactacga gtgtcccacc tanaaattgg tanaggccgg atacggnttt gagatncgca 240
 agtncgangc tgccctaagg atatctacta ntctanccc ctccctatcc atgactcaag 300
 ccancaaaac cggtttccga cgattaaata ggtacataga aggngataac aaagagcaac 360
 gttaaga 367

<210> 12357
 <211> 370
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-F1

 <400> 12357

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 gtgtttattt ttatgacgga naagatgaac acacttgtaa tctatcagac tctaactgtt 120
 actgttggtg ttttctaatt ctgtcggcaa gacactatct ttaggactgc tagggagttt 180
 agaggttaca cagttgactt tttctatcaa ggttataggt ttagtattgt taatatatag 240
 aaatggaagc caagatcgtc aagggtgttg atagtagtag gtgtgaagat ggaattcgga 300
 aaaaagagga agcgcgcagc aagctatgcc tgcataatgt actgggangt ttctgtgca 360
 aaancctgca 370

<210> 12358
 <211> 447
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-077-Q1-E1-A1
 <400> 12358
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 tcctcggcgg cggcgtctct gccggatacg cagctaagga gtttgccaat caaggggttc 120
 aaccaggaga attggctggt atctcgaaag aggcggtggc tccatatgaa cgccctgcac 180
 ttagcaaggg gtatttggtt cctgaanggg ctgctaaact tccaagggtt ccattgctgt 240
 gttggtagt gtggagaaaa actgcttcct gaatcctaca agcagaaagg aatttgagtt 300
 gatactaagc acagaaataa gtgaaagctg atntcctctg ncaaagaatc cttgtcaatt 360
 gcaactgggg ggaatgtcct caagtntcaa nacgcncan aantnccaac tgggttcaac 420
 nggttcncaa aattgcccga anttttg 447

<210> 12359
 <211> 371
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-C2
 <400> 12359
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 aagatggtga acgctatggt ggagagagcg acgagcgaga tgctgatcgg gcctgattgg 120
 gctatgaacc tcgagatctg tgatatgtc aatagcgatc cagcgcaagc aaaagatggt 180
 gtgaaaggca ttaaaaaacg gattgggtag caggaatcca aaagctcagc ttcttgcttt 240
 aaactctgct tgagacaata gtgaaagaac tgtggtgaca tggttcatat gcatgtggct 300
 gaaaaaggty ttattcatga gatgggtccg atagtttaag aaaaagccgg acntccatgt 360
 caaaganaaa a 371

<210> 12360
 <211> 378
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-C3

<400> 12360

aaaaatggca accatttcga atctcgctaa tcttccccgc gccacctgcg tcgactccaa 60
 atcttcttcc tcttcctccg tcttacctag atccttcgtc aatttccgcg ctttgaatgc 120
 aaagctttcc tcttctcagc tttctcttcg ttataaccaa cgatcaatac cttccctctc 180
 tgtgaggtgt tcagtgtctg gtggaaatgg aactgctgga aagagaacga ctcttcatga 240
 tntatatgag aaggaanggt catgagtcct tgggtatgaa aaanctttgg ncgtccaagt 300
 cacagatnnt ncncctgttg aagtggcccg tgggggttan gaggtgttnn ggaggccaag 360
 ccccnngnag tttttttg 378

<210> 12361
 <211> 370
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-C5

<400> 12361

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 ttctgatcat ttacaccctt aaaaagagta gagctttcgt gaagccacca tgtgtggagg 120
 agctataatc tccgatttca tacctccgcc gaggtccctc cgcgtcacta acgagtttat 180
 ctggccggat ctgaaaaaca aagtgaagc ttcaaanaan gagatcnann aancgatcng 240
 gattttcttcg atcttgacga tgatttcgaa gcctgatttc caagggggtt aanggatgac 300
 tcnngctttt gactgcgaag acgatgatga tgtntcgcnc aatgttgaaa gccnttcgtc 360
 ttcaccggcg 370

<210> 12362
 <211> 368
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-C6

<400> 12362

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 cggaaaaaat ggctgccaat ttctggaatt catctcacta taaacagctt ttggatccag 120
 aagaagtcga cgtagttcat gatctcgata aagaacgtgg aatctcaatt gatgatttta 180
 agctcatcaa gttccatatg tctaatacata ttatgaaatt ggctcagcac attaaagtga 240
 ggcaaagggt tgtagctact gcaattacgt atatgagacg ggtttatatc agaaagagta 300
 tggtaagagt ttgagcctcg acttgttgct cttacgtgct tgtacctgnc aatctaaagc 360
 tgnangag 368

<210> 12363
 <211> 369
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-C7
 <400> 12363

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 tatggctagt ggaatcgctc gtggctggtt agctgaagag aggaaatcgt ggaggaagaa 120
 tcatcctcat ggttttgtgg caaanccgga nacggggcag gatggaactg tgaatctaatt 180
 ggtgtggcat tgcactatac ctgggtaaag ctgggactga ttgggaaggt ggattctttc 240
 cattaancga tgcacttcag tgnaggatta tccgatgcaa acctccgana ntgtanagtt 300
 tccacanggg gtttttcnaa cccctaantg tccnannccc gtcangnnaa antgtctgtc 360
 ctctcnntg 369

<210> 12364
 <211> 366
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-C8
 <400> 12364

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tctagaagtg ganagaaggg ggaagatcaa gcgacggata ctgatangtt ttgctgtatg 180
tcagtggatt gtgttgaaac tgattttgggt ggatttggag gaacttgtga accctattca 240
atggnctcag cttcgaaaaa gacgtcggga tgctctcacc acggtgggggt ctcttccgcc 300
tcccaaactc gtctcccgtc gctcncgata ccgttgctgt anggtcctga cgcngaccga 360
tcancg 366

<210> 12365
<211> 291
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-D1

<400> 12365

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tactcttctc agcgatttca tcacaagttt ctcaatctct ccacttcgaa ttgcaatctg 120
gtcgaacaaa atgtatatcg gaagacatan naagcaattc aatgaccgtc gggaaggtac 180
accgtcgggt aaccetaacg gaaggctcan ncnttctcnt cantctcaca agatctccat 240
caggagtgan catcgangtt acggggaana acggtnanna ancangcggg a 291

<210> 12366
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-D12

<400> 12366

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agagagaatg gcaggagagg cagaggcttt ggccacgacg gcaccgtag ctccggtcac 120
cagtcacgga aaattacgga acgatttggg ggaaacatta ccaanaccat acatggcaag 180
agcattagca gctccagata cagagcatcc gaatggaaca gaaggtcacg atngcaaagg 240
aatgagtgtt atgcaacaac atgttgcttt cttcgaccaa nacgacgatg gaatcgtcta 300
tccttggggag acttataagg gatttcgtga ccttggtttc aaccaattt cctctatctt 360

ttggacctta ctcataaact tagccgttca acctacgtta ca

402

<210> 12367
<211> 361
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-D2

<400> 12367

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tgtcatctcc aaggagttgt tcatcgagat ctaaaaccag agaacttctt gtacacttcc 120
aaggaggaga attctatggt gaaagtcata gattttggct tatcggactt tgtcagacca 180
gacgaaagac taaatgatat agtgggaagt gcatattacg tagcccctga agttctacac 240
agatcttata ccacagaagc ggatgtatgg agcataggag tcatagcata cattctccta 300
tgtggaagcc gtcctttttg ggcaangaac tgaaatcagg gaattttcag agcagttcta 360
g 361

<210> 12368
<211> 360
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-D4

<400> 12368

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tcctgctccg aatctagaat gtcgtatgta cgaatcgaga taccctgatg tagacatggc 120
ggtgatgatt cagggtgaaga ccatcgctga catgggagct tacgtatctc tccttgaata 180
caacaacatc gaaggaatga tcctgttctc cgagctctct cgccgctcgga ttcgtagtat 240
cagtagctta atcaaggctg gtcgtaccga nectgttatg ggccttccgt gtccataaga 300
gaanagaggt tacattgatc tcagtaaacg taggggttagt gatnaaggac naangaggct 360

<210> 12369
<211> 364

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-D5

 <400> 12369

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 aaccaccttg gaggagcaaa ggctttcaga acagtatagg gaagatgtca tgtttgcttc 120
 tcagggtgat cttgtgaatc agtgcttgaa gcttgagtgc cccacacctc agttgtcact 180
 ttgtcaagaa ctcgaagaan aaataagccg cgcaggaaaa accaaaagat tcaatcaaga 240
 aaataacctc atcgtttcaa gaaaagaagt tggacgcctt cttanaagta cagggcttga 300
 ttgggctaaa gaacatgatg tggatggcta caccgtggga tgttgctctg gtncgagaag 360
 aaag 364

<210> 12370
 <211> 358
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-D7

 <400> 12370

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 ttgtggtcga tgataacagc agcagcagca ggagcattct cggggctaca atgaaaagct 180
 cagattcatc gttcaaagat gattctgttc agtactgcac attctactct gttaatgaag 240
 tcaanangaa naanagtga agctggctaa tccatggaca caganagaan cattgngggg 300
 tcgtctacaa catanncgtg tncnaatgnc anttggggag aantcgttg agncgtag 358

<210> 12371
 <211> 360
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-076-Q1-E1-D8

 <400> 12371

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 gatctcaaag gaggcaaagg aatgagtgag ttccatgagg ttgaactcaa agttcgtgat 180
 tatgaattgg atcagtttgg tgttgtgaac aatgctgttt acgcaaacta ctgtcaacac 240
 ggtcgacatg agtttctaga gagtatcggg atcaactgcg acgaagtagc acgttctggg 300
 gaagccttag caatttcaga gttgacaatg aagttccttt cacctttaca gcggagacaa 360

<210> 12372
 <211> 347
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-076-Q1-E1-E1
 <400> 12372

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 tcaacaatct caaggaggga gataagagca gattctccac cgtattcacc gagaacgatg 120
 cggatcagta ctctctcgtc ttcgctaatt gtctccaaca ggtcaaaatc agtatggatg 180
 ttagatccgc tatgtataac cttgaaggta aaaagggagg tcgtgattat ctctctgctg 240
 gaagaantgt tcttcctaag gtcaatttct tattcccggt taacgaattt ctgnngnnng 300
 ngcnaggtgn gnnngnagcn ttcncagat nganaagcgg tgcnnna 347

<210> 12373
 <211> 390
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-076-Q1-E1-C12
 <400> 12373

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 aacggcgggc tccaccgttg ccgccgggac cttggggcct tccattatc ggaaaccttc 180
 cattctcca accggagctt cacacctact tccaagggct ggctaaaaag cacggtccca 240

ttttcaaact ctggctcggg gccaaagctca caatcgtggt cacctcttct gaagtagcgc 300
aagagattct caaaacgaat gacatcatct tcgcgaacca cgatgtccct gctgtgggcc 360
ctgttaacac gtatgggtggg tacggagata 390

<210> 12374
<211> 226
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-E11
<400> 12374

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gaaatctaaa tctagtcgga tctctagatt cgtatcanga ctttcaacan tctcctaaac 120
atggtggatc tctcgttggt gaaactgggt tcccaacttc tttaatcgat ntctttgtta 180
agaatcncga tngtctcaaa aaagaatctt caaaacntaa caacag 226

<210> 12375
<211> 235
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-E5
<400> 12375

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agcnagcaga gcaattacgc cttggagtng acgctcgatc gtttcttcnc tccttacgct 180
cccaagntag cnttttaagc ncttcatcgc nccaggccaa anctaanacn gtctc 235

<210> 12376
<211> 367
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-076-Q1-E1-E7
<400> 12376

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ttggaaaatt ccacagagaa tcccccaaag atcaaaaccc taacagtttc atccctcttg 180
agactagcga gaaaaccaca gtagaagaat ccgtcctcaa caagaaagag caagaacaag 240
atcctacctt tgtccccgag tccggaaacg ggtatggctt gtaaggtcac gaagaccaca 300
tacaacaaca acaacgacaa caagaagag ttcaaacaac aacaacaag aacgatgaag 360
naagtcg 367

<210> 12377
<211> 353
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-076-Q1-E1-E8
<400> 12377

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aggcaatggc gtacaagctt atatctctta cagagttatc accaagacta acttgccgga 180
gtaccaagga ccgagaaga ttgttattag acgatacagt gatttcgtct ggttacggga 240
tcggcttttt gaaaagtaca agggcatttt cattcctcct cttccagaga agagtgtctg 300
agaaaaattc cgcttttagtg ccgaatttat tgaaatgagg cgagcagcat tgg 353

<210> 12378
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-G5
<400> 12378

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tgaagaagat gtgtgagttt tgtaaaacag tgaaacgtcg tggacgtgtg tatgttatat 120
gctcttccaa tctaagcac aagcaaagac aagggttcag ttcctttgct tatgaaggaa 180

ttacaccttc ccctttgttt gctgagccga ttgctagtca ggagttggtg aggctgcctg 240
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 atttcggatg gaggtctggt cttgcatcca ttctcttcaa acaaggaaat taggatgtca 360
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<210> 12379
 <211> 66
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-G6
 <400> 12379

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 acngca 66

<210> 12380
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-G8
 <400> 12380

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 ggggaacgaa catttacaat ctgtggaaat gcangattat ttagccccc aaattgttca 180
 aggcaaaggc catggttatg cagctgactg gtgggctctt ggagttttga tctactatat 240
 gctaagaagg agaaatgcca ttcgggtcat ggacagagag cgagctcgac acgtttcana 300
 agattgcaaa angccaacta actttccctc caattctaag ctgagaagct gaagatntca 360
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<210> 12381
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-H1

<400> 12381

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 gtggaaatag agaacgctgc tacgatcgaa ggaaacaccg ctgcggatgc gccggtgacg 120
 gatgcggccg ttgagaagaa gcctgcagcg aaaggacgaa agacgaagaa tgttaaggaa 180
 gtgaaggaga agaagactgt tgctgccgct ccgaagaaga aaantgnttc aaccaaacn 240
 aattnncaag agannantaa ngggtgccaa tgntaccttg aaagagagaa ntgggtntaa 300
 ccaatacgcy antcacaan ttcattccagg gngaancnta angngncttc cctccaacat 360
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 cana 424

<210> 12382
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-H10

<400> 12382

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 ggtcactaca atctgagtc tctgattctg attggaaccg gtttaatctt ggcttctctt 180
 cttctctctt cggtggtaat ttcccggctg atgatttgtt cggtgggatc gaaaaagctg 240
 agtcactttc aagaagccac cgtctagcgg agaaaagacg ccgtgaccgg ataaattctc 300
 acctcactgc tctccggaaa cttgtcccca attccgacaa gttagacaaa gcagctctat 360
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<210> 12383
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 aacacgtgga agttgcaa at gaacgaatgg caattcaaac gcttctcata acggacganc 120
 ttttcaggaa ttctgacgtg aaaacaagga agaagtatgt gaatttggtg gagtcggtaa 180
 aagattcggg aggagatgct tttatatttt cggcgatgca tgtgtcagga gaacaattgg 240
 gcacagctga ctggaatagc agctcttctc aggttcctt tancaagaac tcggaagaca 300
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 tcataantta tagtttattt gtactcagt tccataaang agattggaac ccant 415

<210> 12384
 <211> 113
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-H2

<400> 12384
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 aatcttcgac gcagacncat cagttctcaa agcattancc ggatctggaa tca 113

<210> 12385
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-H3

<400> 12385
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 gccatgttct ttatcatcaa gtcatacagt gaagatgatg tgcacaagag cattaaat at 180
 aatgtttggg ctagcacacc aaatggaa ac aagaagcttg ctgcagcata ccaggaagct 240
 caacagaa ag ctggcggcng tcccatctt ctgtttttct cggtcfaatgc aagtggacaa 300
 tttgttggtc ttgctgaa at gacaggacca gttgatttca acacaaatgt ggagtactgg 360

cagcaagata agtggaccgg ctctttcccc ctcaagtggc atattgtgaa ggatgtgc 418

<210> 12386
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-H4

<400> 12386

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cttgacagaga aagtacncca nagagtttac ggaacttcca natccgccgt ttcctganca 180
ancggcgacg gcgaaaagac tcaccgtcan acccatcatc acattcaccg tatcaaaagc 240
tacgacgaca tcgacgagga tgaatcatca ttgggagctt atccagatcg gtgctgagag 300
gactaagaac gtcttgatcc tcatgagcga tactggtggc ggtcaccgtg cttccgctga 360
agccattcgt gacgctttca agatcgaatt cgggggacan atattgacta anngtgaang 420
atgtgtg 427

<210> 12387
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-H5

<400> 12387

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tgtccagggtg aagaaggcgt ggtttgatcg aggaggaatg acgcctttat gcattgatga 180
tggtgtgtta ttgatcata gtgaagggtga tggtgtgcgg attagtgatc tcgatgatcc 240
cggtagtggt cgtattgctc gtttattgag gacagtgaag aacttaatgg ttcaacagcc 300
agtgaagcag gaagagattc tggaaaatac acttgttctt gttccactct tgaaggagaa 360
ggcggctgac gtggtgaaga tattatctga ngggacactg gacttctact tg 412

<210> 12388
 <211> 331
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-H6
 <400> 12388

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 gattctagat tcgattcgtg attcttggtt ttgattctta atgtggtatc atagtttgga 180
 tcgttcaaaa agttgtaagt caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggngg ccgccctaaa 300
 ggntcnaanc ttanttacnc ntnnangcaa c 331

<210> 12389
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 12389

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 gagctccaca gtttccggaa atatctccga tggatgtgcg tagatcagtc gagtccttgg 180
 acggcggttc tatcatggtc tatgttcggt gttttcacgc tcgttggttc tgccacgtct 240
 cacttcatgc tcgcttgctc tgactgcat agccatcact ctaggccgta cgattccggt 300
 gttcagcttt ctcttagcag tttcgctgct ctttcgtttc tttgtctctc cagattcggt 360
 agcaagtatg gtctccgacg gttccnaatc cttgatnagc tttgggatga nanccagaac 420
 cttcgg 426

<210> 12390
 <211> 442

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-074-Q1-E1-B4

 <400> 12392

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 aagccaaagg gtccatcacg cagcccatgg tacggatccg accgagtcaa gtacttgggt 120
 ccattctctg gcgagtcacc cagctacctt accggagagt tccctggaga ctacggatgg 180
 gacacagctg gtctatccgc tgaccccgag acattcgcaa ggaaccgtga gctagaagtt 240
 atccacagca ggtgggcat gctcggagcc ctangctgcg tctccctga gcttttggcc 300
 aagnaacgga gtcaacgttt gggagaggag tttggttcaa ngctggttca caaatTTTca 360
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 ntttggg 427

<210> 12393
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-074-Q1-E1-B6

 <400> 12393

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 ttgctttcat ggcggagcaa acgagccacg tttcttcagc tcttcgcttc tttcttcttc 180
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 ctcaaaactg ttacggatcc gacggcgctg atatcgccgc cgattccgcc ttgtgaagat 300
 aaattcttcg tngaattctc cgttgctagg acnttgntg ggancggtaa tcggtagctc 360
 caagggtcac gcaaattggt aagtgnat tatgaangaa ntaatcctgg aangaagtta 420
 ntcctanttg angaaaggtc ccat 445

<210> 12394
 <211> 413

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-G10

<400> 12394

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 tgcgttaact ctttcagctt cagttccggn attgaagcca gcggaatgta ttggtgactt 180
 ttgtccatct gcaacgccag ctcatgtatgc gatgttcttt ggtgggcttt acctgatcgc 240
 tcttgggaact ggaggtatca aaccgtgtgt ctcatccttc ggtgccgatc aagtttgatg 300
 acacggactc tcgggaacga gttagaaaag cttcggttctt taactgggtt tacntctcca 360
 tcaatattgg agcacttgtg tcactnagtc ctgaatttg gattcaagan aag 413

<210> 12395
 <211> 231
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-D7

<400> 12395

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 ttttaagtttt agtttctttg ttgcttttta agttaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agaaaaaaaa 180
 aaaaaaaaaa aaaaaaaaaa angggggggcc ncccaaannn ntcaaancna a 231

<210> 12396
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-D8

<400> 12396

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gtctttcctc aagtcactcc atttctgggc ttcgcgctgt tttgcctctg aagatttcta 180
cagttgcttc cccaattct caaaagcttc attcttttac cgttttcgct cataagggct 240
acaagatgaa gaccacaaag gcctcagcga agcgggttcag agtgacgggt agaggggaaga 300
ttgtgaggag gagatctggg aaagcaagca tttgttagct aaagaagaac aacaaagaag 360
gaaaattacg ttctaattccg aaaaatgacg ggaagttgaa accggaagcg actaattgac 420
aaccgtngat cgggagg 437

<210> 12397
<211> 406
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-073-Q1-E1-D9
<400> 12397

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catcttcttc tccgatctaa acaacaatgg cgacaccagg agcttctca gcaagagatg 120
aattcgtata catggcgaaa ctgcgccgaac aagcagagcg ttacgaagaa atggttgaat 180
tcatggagaa agtcgcgaaa gctgttgaca aagacgaact caccgtcgaa gaacgtaatc 240
tctctccgt cgcttacaaa aacgtcatcg gagctcgtcg tgcttcgtgg agaatcattt 300
catcgatcga acaaaaggag gagtctcgcg gtaacgatga ccacgtttcg ttgatccgtg 360
actacaagaa gcaaaatcga aacggaactt tccgaaatct gtgaag 406

<210> 12398
<211> 56
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-E1
<400> 12398

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<210> 12399
<211> 412

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-E12

 <400> 12399

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 agattgcaga ttctactctc ttctttcttta tcttcgtctt ctctccctcg ttgcctctag 120
 ctcaatctca gcttcccgat ctcgaccac aagacaaagc ttctttattg atattcagag 180
 ttctgattca cgacctaaat cgaagcttat cgacatggta cggctcatcg tgttctaact 240
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<210> 12400
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-E4

 <400> 12400

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 catctgattc ggtattatca gtaacaggct caacatcttc cgactggctt gagacaagct 180
 ggtatgtaac tggcatcan agtggagcan ttaaagtatg gcggatgatt cattgtactg 240
 atccggtgag tgccgagagc aaaacaagta gtanacaagc aacaggaggg ctgaatttgg 300
 gtgatcaagt gccagaatac aagttgattc tacacaangt gttgaaattc cacaagcaac 360
 caagtcaccg cgctccatct cacaagcgac ctgaagcagt tacta 405

<210> 12401
 <211> 389
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-073-Q1-E1-E5

<400> 12401

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caaaaatggc gattgtttcc gtctctaact cttttctcac tttcaattct cccaatcagc 120

tccgatttag ccgaagaaga ttctctgcca tggcttcttc aactactgga gtgagagtcg 180

ctgaaggaga aggcaatttg ccaaaacttg tccttacttc tcctcagaac agcgaggctg 240

agatatatct cttcggaggc tgcattactt cttggaaagt tgcgagcggc aaagatcttc 300

tttttgtcag accagatgct gtcttcaata agattaagcc cattagcga gggattccac 360

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<210> 12402

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-073-Q1-E1-E6

<400> 12402

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gaatggcaat gctatctatc ttctccatat catctcgatt ctctcatca caaaactagt 120

catcttggtt tggccaaaat catatctctt atgcgatcgc tttcatccat ttttcgagat 180

gatgatcata ggaggagata tccatcttca atccctcttg actctaccat gaacttctac 240

ctatccctcg aaacaggteg cttttggttt ccaagctcaa gtttacaacc gtgagaatgg 300

acatgtaggg ttcatgttgt catgctatga tgctgagctc agctatgaca ctgacactaa 360

tacttttcaa gctangtatc caccacatgg taaaagagca attgcggttg aaaaaga 417

<210> 12403

<211> 113

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-073-Q1-E1-E7

<400> 12403

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catatccatt gatgagctta ncattcccgt gccttgatga cgatnaatca aat 113

<210> 12404
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-E9

<400> 12404

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gcgtatgatc aatatctgct ctacacccgc gtatccatct ttgtgccgac ctctggtgaa 180
acgtgtcacg agccctagaa aagccacgca ccgaaccatc caagctttgg aggctaagac 240
gaaactagct ctagccgaaa cagctagggt caaaaacggt aaccaagcgg tcagcacgtg 300
ttacgagaca ttggggcgacg cgggtttacaa tttggcaagc gcgagaaaga gcataaggaa 360
acgtgatgtg ccggcgatga acacgtatct aactgccggc tgtgtctgat 410

<210> 12405
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-F1

<400> 12405

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ttgaagcaaa tgggttgaga aaagaggaca aagttcataa tcaagaatag cttgttcggt 180
gttatatgtg gtagtaacga tatcgccaac gacttcttta ctctcccccc ggtccggcta 240
cactacaccg tcgcttcttt caccgctctt atggccgaca atgctcgttc ttttgcctaa 300
gacactctat ggatatggag caagaagaat acttgatatt ggtgcaccac caataggatg 360
tgttccttcg cagagaaccg tagcaggagg ac 392

<210> 12406
<211> 416

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-F10

 <400> 12406

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 ttgacgagaa agatctcaag gattttgtga ctggttttca caagaggaag aagaaaagaa 180
 gaaaggaagc tcagaagcag caggaggaag cttttaggcg gaaacgaatc gaggcccgtg 240
 agaataggaa attggaagag ctaatgggtg ctggtaatgg cgaggataat gaagatgggg 300
 aagctgaaga tgaagtggat gcagaggatg aagaagcaga gcctgatgct tcaacatctg 360
 ccacgacgat gtatgataca ggcgagttga aagtaactgt gacaacaaat nnagat 416

<210> 12407
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-073-Q1-E1-F2

 <400> 12407

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 tcctctccag tgtccccttg ataagctgat cgatgggtgt cagattgttg gtaagcatga 180
 tggagaagtg acagatttgt caatgtgcca atggatgacc acgcgtctgg tttcttcttc 240
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 gcctcatgat ggacatccag tcagttcagc cacgtttgtg acatctcttg agagacctga 360
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<210> 12408
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-073-Q1-E1-F7

<400> 12408

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tagagaattt ttgttggtgt tgggttcaga tttggaaaat ttcctttttt tcgagtttct 180

tctgaattat tcatcgtgga gattctcgga tcgggaagggt ctgcgagagg tggttttcac 240

ggcggggata gattcatctt ctgtcttctc ctgaggggggt agccgaggct ccggcctcgg 300

cggtttttaa acccctacct ttacaaattc tgggaaatta gaaaaaaaaa ggtttgattt 360

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<210> 12409

<211> 412

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-D5

<400> 12409

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taatagcgtc tacatctcac cgtcaccgtc accgtccgac cactctctct cgcccaaccc 180

taatctctgc atctcggcga tggaagagca gctgggtgtt gatgatgatg atgatgacct 240

tgctcctcct ccaatccctg atctcgatat tgaccttgaa gatgatgatg acgcctgttg 300

tcacggcttg cttcatatcg cacctaata cgaagaagaa actggatgag acgaaaacgc 360

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<210> 12410

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-F8

<400> 12410

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ctctgattta tcgatatggt ttaaagaaaa acggtgtttg aaacttttgt aatttaaggt 180
 tcatcaaata ctcagatctt gtctgagaaa ttaagctgaa atctgataaa tgggttttgtt 240
 taaattcatc ttcttggtat ctcttctatg gagtttctac agtttaggct catctcagct 300
 acaagcttca caagcacaag ttcttcttca gctgaaaaaa cacttaagaa tatccacaac 360
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<210> 12411
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-F9
 <400> 12411

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 agtatccgaa ctccagacct tacctttttac cgaaatcact gagatcctaa accgaaaaga 240
 gcggtctgcc ccgaaaaccc ctgagttcaa ggcaatgttc acaatgtgca aaggctacgt 300
 gacatacctc gagagcctct acaagtttga gaatcccatt gtagatgttt taggaattgc 360
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<210> 12412
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-A5
 <400> 12412

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 atcttggtt ctgagcagcg ggattactgt tcatcaggtc tgacaaagta tgttcctaag 180
 aagtctcgga agattactga agatttgaca tctcagcaat ttgatgttac tanagtggat 240

catagtgtgt tgggatttca agttaagggt aacagcaaag aggctagaga tggctcattt 300
 ttggatctgc aagaggaaaa tgatactgga agttacacga atgtgtcttg tgatgactct 360
 gatgaagggt ttatgaattt gggacaangg tatagatgct agtagattgg atcatagtgt 420
 attg 424

<210> 12413
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 12413

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 gcgagatccg attctctaga tggggcaacg ctaatgccga acggttcgag cagcgtcncc 180
 ggagccaaga agaactcgag gctgagattc gtcgggaccg ccgattcgac gccgctacta 240
 aaatcgcca taccatgat tcccgaagca gcagctgctg agcctaaaac gtcaccgttt 300
 anatnaagan gcactccttc actttccctc tgctcggtcg attccgggggt cnaaagatnc 360
 aaaatactcc aanaccgant caaggacccc antngaaccc aaagaacnaa ccttagagnt 420
 acccgant 428

<210> 12414
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-B10
 <400> 12414

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 aacacaatca tcttcgcga ctttcgtcaa tctcgtcacc gagactgcta agaaatccaa 120
 ggaactcgct ctcgaagctt cgaagaaagc tgatcaattc aatgccgccg atttcgttgc 180
 tgaaacggct aagaaatcca aagaattcgc tgctgaagct tcaaagaagg cggatcagtt 240

caaagtcgcc gcgctgaaac aagctgatca gatccagaac atcaaatega tcgctgatat 300
aatcgggacc gggaccgggt caggatccgg ttcagaagcg gagcttctcg aattcgggtgt 360
aacggatgat ttgagagagt tcgctgaagg cttgacctct gctanattcc aaactt 416

<210> 12415
<211> 409
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-073-Q1-E1-B11
<400> 12415

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aatcgtcatt tttcacgagc ttatgctagt aacatgggag gttataagaa tgaaggattc 120
gttgaagttc tcgctgctca acagagtcct gaaaacccca actgggtcca ggggacagct 180
gatgccgtca ggcaatactt gtgggtgttc gaggagcata atgtcttgga gtatctcatt 240
cttgcctggg atcatttgta tagaatggac tatgagaagt ttattcaagc acatagggag 300
actgatgctg atatcacagt agctgcatta ccaatggacg agcaacgagc cactgctttt 360
gggctgatga agattgatga aggaaggacg tattantgaa tttgctgaa 409

<210> 12416
<211> 396
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-073-Q1-E1-B2
<400> 12416

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taaagctgtt tactttccct tgcgaattct ctctctctct actataaagc aatacccttt 120
tctttctttt ttggtaacct ccaaacccta ctttgtccag cgagaaagga agagggggtt 180
cgtctgattc cgctaaatct ctagtcttta tctaaagatc atggattccg atgatgatat 240
gcacgatatg gactcggtag attatgatta ttacagcggc ggcacctatg atgacaacga 300
tagtgatgaa actgatttcg gggttggtga ggctgacacc gacgatgccg ccatcatcgc 360
ctcctatcgc tctaagagta attatgttgt tctcaa 396

<210> 12417
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-B3

 <400> 12417

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 ctgaattgaa tttgcattga tcgtagatga gaccaatcat taggttatca tctctcagta 180
 gaattagatg ggctctaagg aacaatcaag aacgttatcc ttcaactttc tactccaaaa 240
 gccgcaaact tttgatcggt gtcaatcaaa atcaagctct gctgaataca aacactgata 300
 attcaagttt gtattcaagg tcaagtatct ttagangctt atcagcagaa gcagtagaag 360
 cagctgatcc tgctactact anggtcaccc gtctcagatg tgaataagaa caag 414

<210> 12418
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-073-Q1-E1-B5

 <400> 12418

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 ctttcttctt cttcggaag aagttcaatt cgaaccctag ttatgggtcaa agcttcttcc 120
 tctgaacctt ccgagtctgt ttcagtctcc acgaagacca gtgacgacac tggagctggt 180
 gttgtgttca ctgctcctcc tggtttcaag ccaccggagc caaaacgggt cgccgtcaaa 240
 tccggaaaac tcttcgatgt cttgggtgca gcaattggat tgtttttccg attcggcact 300
 ggtgttttctg tttctgggta ctctgcatct tttgtgtcta aggaagagat tccagctgat 360
 cagtatgcgt tgcgtttagg cgggatcacg gtaaaggaaa ctgctaaggt cgggcc 416

<210> 12419
 <211> 382
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-C10
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 ggcgggaagg tctggagata aaggtggtga atccaccggc ggcggcgaca aacaatgtgg 120
 ctgtagaaac gtctccggcg acggcgacga ggagacggag acaacaacaa cgagcttcgt 180
 tcgctgagtt tagaccgttt aagctttggg ttccatggct tgttccagct atcgtggtgg 240
 ctaacattgc ctttttcgcc atttcgatgt ttattaacaa ttgtcctaag aactcggctt 300
 attgcttagc taggtttctt gggagatttg cttttcagcc tatgaaagag aatcctcttc 360
 tgggtccttc ttcnttgaca nt 382

<210> 12420
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-073-Q1-E1-C11
 <400> 12420
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 ttagtctctc ctcttagatt tttctctctt tccgtctctt attttttagta ttattatctc 180
 agcagaaaaa caaaaacact tttcatttct ttatttttct ttctcatttc gcataaatct 240
 ttgtcgccga gacgatttgt gtctgagaaa ctgagaagag gaatgggaga aacagttcat 300
 tgtggaagct tcttgtcttc aatgagggat ctaagtgaag atatttccaa tactttagc 360
 tattcaatgt attgtggagg tgataaaact ttgccttaag gggcagtaac aagag 415

<210> 12421
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-C3

<400> 12421

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cgtatcagac tgtcgagatt tggatgcaaa aatcgccat ttttaggggt tatggctgct 120

gatagcagat ctccaagaga cgggaagcat cttgaggtct taggttactt caatcctttg 180

ccaggccagg acggtggtaa gangatgggt ctcaagttcg atcgaattaa gtactggtta 240

tctgttgggt ctcagccatc agaccgggt caacgtctcc tattcagatc cggtttactt 300

cctcctcctc caatgggtggc caatgggacg ntaaagggtgg ancacgagac acacgccna 360

tttgattccg ataactgggn cgctatgtgg atgcanagaa ataaancagt taatgccaaa 420

tgantg 426

<210> 12422

<211> 357

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-073-Q1-E1-C8

<400> 12422

ctttctagac caaaaaaaca atacgtatat agattgtacc ataaataatt aaaccatagt 60

aagagatgta ctttaagaga atTTTTTTga agTTTTTcaaa attaatcgaa ccaaacctaa 120

ctagttagtt attatgagtg tggctTTTTa gtgactggat ttgatgtcaa gtgattttac 180

tataaattga tcttaaattg ttttggaaaa tcttaagcgg actaatggga ttttatctca 240

ngatttggag aattcatttt tgaggcaatt aagTTTTtct gatattagta tattgctgaa 300

aaaatgaaaa acaataatta taaaaaagga aactataagt taaaaggaaa aaaaaag 357

<210> 12423

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-073-Q1-E1-D1

<400> 12423

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atcgctcat gtacacgac actctcctaa cggcggagac gacgaagatg gtcgcccacg 120

tcacccctct agagatcgag accgtccgat ctggtttcac tctttgtttc ctttcttcgg 180
 tgatgatcct aggggtttctc ctccagaaga taaaatctcg cttctattga ttttgattct 240
 ctctattgct agcttgatct cagtttatgg gattattaat cacttgaatg ctccctattt 300
 atgtaaaaaa gatgggattg tgctaaactg tctcatgta aaagagtcac cttctccttg 360
 ggagaatcct ttatctgcaa caacttcttg ggaaagcctt gtgctgagcg gcggatt 417

<210> 12424
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-D10

<400> 12424
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 agtttctcac tttctctctt ccattggctt ctactctct ttaacttctc cgtcacaaaa 120
 ttcgactctc tctattcca gtacccatca atttctcaac ccgtcttctt cgtttcccg 180
 ctggttatca gtctcatctc cgaagaatac ccgcatctt cgtctctca tcacctcgc 240
 tttgaatcca cagacgggac agccgacgaa gaaggcctcc accggtagtg ataagagtag 300
 tacgaacaag aaacgtaaga aaaaggggaa aattgcgaaa cctgtggagg attgggaatt 360
 gagagattca naagacgctt ttgaggaag a 391

<210> 12425
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-073-Q1-E1-D2

<400> 12425
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 ttttattggc gtttttaaga aaacaaagct tcccaatta gggttttgta ttagaagaat 120
 gggattgtgg aatggaaaat gcaccggagg atttatctc taccttctcg tggctttctc 180
 cgtcgccgctc ttctctgttt cttacgtcgg agacacaaca aaccctattc atcatcatc 240

ctcttctctc tctgccaccg aaaaaatttg gccggatttg aagtttaagc tggaancttg 300
 tgttggn tac agtgatagcg tttctangat cagcttgtn ggaactgttg tggtgttgga 360
 cgtggtgnga tttttgttcc tatgctcact cntagacncg ggttcgatan g 411

<210> 12426
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-073-Q1-E1-D4
 <400> 12426

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 cttcagactc tgtagctatc atcgagcca atgcacaaga agcaattcca tttttccgtg 180
 ctggtcctaa ggggctggca cgttctatgc cgacaagtgg tgctcttgat cgtgttgccg 240
 agaagttgaa gcttcctttc ttcgaggttc cactggatg gaaatttttt ggaaatctta 300
 tggatgctgg aaaattgtca atctgtggag aagagagctt tggcacaggt tctgatcaca 360
 tccgtgagaa ggatggaata tgggctgtgt tggcgtggct ttcgatcctt gctca 415

<210> 12427
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-073-Q1-E1-A3
 <400> 12427

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 acgcggcgga tgagcaatcc tagattcgac gccgccgcaa ccgccgcacc aaccatcgta 120
 gacatccccg gaacaccacc acactcctcc gcttcttcac cactcaaacc cttcttctc 180
 tcttccccca ccgtatcacc aacaatcctc acggcggtta taatcgccgc ctggtttggc 240
 tcaaatatag gagtcctcct cttaaacaaa taccttctct tctactacgg tttccgttac 300
 ccaatcttcc tcacatgac acacatgtta tcatgcgccg cctatagctc cgccgtaatc 360
 aatatcgccg gaatcgtgcc acgtcagcac atcttatctc gccgtcagtt tctaaagatt 420

ctcc

424

<210> 12428
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-G1

<400> 12428

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cgcgggcacia aggactgcac tttgcaaggc aaaacgtggc agcttcaagg atacatttcc 180
agacgagttg cttgcctctg tattgagagc attgatagag aaaactaatg taaaccaag 240
tgaagttggt gacattgtan tgggtactgt tttgggacca ggatctcaga gagccagtga 300
atgcangatg gctgcgttct atgctggntt ccccgaaact gttcccatca gaaccgtgaa 360
cagacagtgt tcatctgggc ttcaagctgt tgctgaant 399

<210> 12429
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-G3

<400> 12429

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cacaagaaaa attacaattc ttcttaatcc tcattattat atatataaat aaacttcaat 120
ctaagcttct tcgtaatttc tctttcgttc aatgttattc ttttagatct cgaacaaaac 180
aaaatctcca gaagaaaaaa ccaaattcca tggcgtctaa atcgaagcag catcttcggt 240
atcagccgcg aaaatctgtg tcacgatcaa cacaagcttt cacggtgctt atacttcttc 300
tcgtagtgat tctgattctt ctgggtctcg ggattttgtc actacctaata gctaatagaa 360
actcttccaa gacgaatgat ttgaccaaca ttgtacgaaa gagtgagacg agttctggag 420
atgaagaagg gaatggtgaa cgttgggttg aagttaantc cntggggagc 469

<210> 12430
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-070-Q1-E1-G8

 <400> 12430

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 acgagatagg atcgtgcgcg tcaaaagaag ctggtactgc tgattccagc cgaagattag 180
 tctccgcttc tggttgttcc ggtggagact cgtcggaaat ganaggtctt ttcaaatacca 240
 aaccgcggac tcccgtgat attgttcgtc agactcgcga tctctctctc tacgccgatc 300
 gatncaactc cttccctgan cttcgagagt ccaaacgccg anggaaaaga tggtggaact 360
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<210> 12431
 <211> 472
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-070-Q1-E1-H2

 <400> 12431

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 ctcaacgggtg gtgaattttc tatacggncg gtctcgtgnt ctttttatcg acantccnac 180
 ananattcat gatcatgggc gccactgctt cctccgaagc ttctgaagga ccagtgatgg 240
 gtctcatcaa caagcgtctc cgtgctctcc gtaagaaata caaccganc actcaaattg 300
 aanaatcgat ttctcaaggc aaaaccctaa acaaggagca agaagaagtc ctccgctcta 360
 aaantgccgt cgtcatcna atcnacgaac ttgaaaagat ccgtgctcnt ctctccgccg 420
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<210> 12432
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-070-Q1-E1-H5

 <400> 12432

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 tcttcttctt cgtcttcnac gaaatcttac tcgaagaccg ataancctgg ccgatntaat 180
 ggcggtgatg cggaggatgg tggctctcga tggttcttgc cgtttatang cgctttgtta 240
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<210> 12433
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-070-Q1-E1-H6

 <400> 12433

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 acgtaaagag tttctggtag aaattttccc tcttttaagc tgcagattgg catcagattc 180
 cgttctggat gtgtcggatg tcgattttcc gcgtcggatg tgatagctaa cggattcgag 240
 agtatggata aagaacgagt caggaaaacgt cctcgtatga cctgggacga agccccagct 300
 gaaccagagg ctaaaagggc tgtgattaaa ggacatggaa gcgatgggag gatttgtcac 360
 caccntang gggacatgaa tcngatggnc aataagggtt tcagttngan gggg 414

<210> 12434
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-H9

<400> 12434

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tgatgaccat tacaagattc gtgttgaatg aacaatcaaa gtatccagaa tctcgggtgg 180
gatttcacca ttttgcttag tcacatcggt ttgggttgca nattcgtttg cagtgtgtgt 240
aanaaggctg gtttggttaa cgtaaattgg ncttgaggg gaaacaaaca ttcanggtga 300
agagcagnag anacttgatg tgctctctaa gngatgtctt tgggtcaacnc tttggttang 360
caagtggggn gnacttctgg tncntgtctc gggnganag gattg 405

<210> 12435
<211> 56
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-A10

<400> 12435

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<210> 12436
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-A11

<400> 12436

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cgaaagccaa gttcttttct ttgttggtgt ttctgggttt attgcgacaa tgggagctga 180
gcatttttagc ctggtgaagt tcantagagg tttctttgtg tgtttatggg tgatgtcttc 240
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atttgaatag gctcaacaaa cctcctgtta agactattca nagtccagat gggagatata 360
 atcgactgta ttcctatttc aaaagcagcc aagcttttga ccaccccttc ctcaaagacc 420
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 ggannng 487

<210> 12437
 <211> 475
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-071-Q1-E1-A12
 <400> 12437

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 ttacgggtct tgtttaggat aaaagaaatg cctgccggtg gattcgctcg cgggggatggc 180
 caaaaggctt atccccgcaa actcactccc tttgttctct tcacttgctg tgttgctgcc 240
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 gaaccagtac tgtcaagtac gatagcccga cgctaacgat gttcacatcg tctcnatata 420
 tangcgngg ctaatttcgt ccctgggggc ttccancgtn gacnagaaaa ttngg 475

<210> 12438
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-071-Q1-E1-A2
 <400> 12438

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 ctttcgtctg cccaacagag attactgcct tcagtaccg gcattcagaa tttngngaagt 180
 tgaacaccga agtattaggt gtttctgtcc atagtgtgtt cnctcacctt gcatgggtcc 240

aaacagacag gaaatctgga gggcttggtg atcngaacta tccccttaat tcagatgtca 300
ctaantcaat ctcaaagtcg ttcnnggagtg ctcaagccaa tgntnagggg atancactgn 360
gagggacntt ttngaaggcg aaaaagnaag ggnntgggtt ganaattccc ccntg 416

<210> 12439
<211> 400
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-071-Q1-E1-A3
<400> 12439

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ctctaccacg cggtttgtcc tttttactgt gatttcaacg gttaccagga tgagttactg 180
tggggagcgg catggctaca caaagcctcg aggaaacgag cgtacagaga attcattgtg 240
aagaacgagg tcattcttan ggctggagat accattaatg agtttggttg ggacantaag 300
catgctggga ttaatgnctt aatctccang gaagtgttaa tgggaaaagc agngtanttg 360
ngtctttcaa gcangaaggc nanatnggnt tnnntgggtg 400

<210> 12440
<211> 439
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 12440

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ttttttttct ctcggaataat cgatttgaat ctccggcgat ctgatcggga tgagtaacat 120
cgatctgatt gggatgagta accgcgatct gatcgggatg agtaacagcg agcttctcac 180
cgtcgagcct ctcgatcttc aattcccttt tgaattgaag aagcagatct cttgctctct 240
ctatttgacg aacaagaccg acaataatgt tgcctttaag gttaagacga cgaatccgaa 300
aaagtattgt gttaggccta atactggagt tgttctcccg aggtctactt gcgaaagttc 360

ctgtgaccat gnaaaactcaa aaggganctc cctnccgana atgggnantgn aaggggaaat 420
 tttnngggtnn aaagggngng 439

<210> 12441
 <211> 355
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-071-Q1-E1-A8
 <400> 12441

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 ttctttgggt gcaacttcac ctcacaaaat tttctctctt tttttatatt aatttgagtt 180
 aggccttttt gatttcatag atgagtcntc nagtcgtctg gatttgatgt ggttatagtc 240
 ttacagagac ctttgattga aataagaaca aaagcaagaa nacatacatc ctcttcatct 300
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<210> 12442
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 12442

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 gaccagtaag gaaaacttga ctcatgtgcg tgataagatg gttcaactat ttggagctta 180
 taaaagaacc acatgcaaca ttgcagcaag cacttctcaa tcttcacgaa aggatatccc 240
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 attagatatg tacttggaan agcctgtggt agatatgggt tcttttagag atatggatgt 360
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<210> 12443

<211> 410
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 12443

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 atttggatct aatagaacgt gattatcaag atagtgtcaa tgctcttcaa ggcaaggacg 180
 atgaagatca gtctgcaaag atacagagtg aaaaccagaa taacactaca gtgactgata 240
 agaacactat ttctctatct ctatcagatg aatctgaggt tggatctgtt agtgatgaaa 300
 gcgttggacg ttcgagtctg ttggatcaaa tcaaacttga attcgaagct catcacaata 360
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<210> 12444
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-070-Q1-E1-B4

 <400> 12444

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 tatacttctt cttcttcgtt tatacttaga agatgaattg tgcaatttcc ggccaagtgc 180
 cggaggagcc tgtgggttct aagaagtcgg gtttgcttta cgaagaagcg gctaattccag 240
 acgcataat ccgattatgg gaaatgcccg gttactgggt agccacatac tcttgatgac 300
 attgttccca tcaaaaactgg ggaagatcgt aaagccgaaa ccattacaca cagctagcat 360
 ccctggattg cttggaacgt ttcagactga atgggacagt ttgatgctat ca 412

<210> 12445
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 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-070-Q1-E1-B6

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ctatggctgc ttcagtagac tgtaccttga tgtccgtcgt atgcaacaac aagaatcact 120
ctgctcggcc gaaacttcca aactcgtctt tgttacctgg attcgatggt gttgttcaag 180
ctgctgctac tcgattcaag aaggaaacaa caaccacaag agccactttg acgtttgatc 240
caccaaccac taattctgag agagctaagc agagaaaaca caccattgat ccttcttctc 300
ctgattttca accaattcca tcttttgaag aatgctttcc taagagcact aaagaacaca 360
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<211> 394
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-B8

<400> 12446
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ggctcccaaa cgacccta aaccactcg aagcgaaccg ggattttcctg gatctttctc 180
tgcttccgac aaaatcaccg accatcctga agctgacnaa ttccaatctc tccagtcaca 240
aactcatggg taaanttcta ggtgagggag attcatctgc agttcacgat gagttcctgg 300
aagacagagt nttactcaaa tctcatcgcc attgatnagg caacatcana cgacnggaag 360
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<210> 12447
<211> 409
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-C1

<400> 12447
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aggattctaa tccgtgggtg caaacgaagg acccagaatt tcaatctttt tcagtttctg 180
gaatctcttg cttcgatcga atcactctca tgtctaacga agactctctt ccgcctttca 240
ctttgtttgg tttggatgat gtcgaaaatt acggtctggg cactgaagca gacaattcgt 300
tacctttaga tatacacaat caggtttttc aacttggtga gaagggaac cantcattca 360
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<210> 12448
<211> 85
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 12448

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atgtcaccca ntctggatga ctctg 85

<210> 12449
<211> 418
<212> DNA
<213> Arabidopsis thaliana
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<400> 12449

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tgagaagatt gcagaagcgt gtccaacttg gttccctctc tctctgaaat tactcaatca 180
tggggatttg cttgagtgtc cagggtcaaag ctgagagctc aggagcgagt acgaagtatg 240
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ctcgaactga nggtgagatc ttacagtctc caaatctcaa gagtttttagc tttgctgaag 360
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<210> 12450
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 12450

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 catcaaaatt ctcttttctc tcatccaaca aaaaaaaagc atacctcttt ttcttccata 180
 tagataagtt aattaagaaa acgaattatc aggttttgtt tcggctgata tgaggaagtt 240
 catctatgga tacggctcag tggccacagg agattgtagt gaagcccttg gaagaaatag 300
 taacaaacac atgccnaaag ccgcaaccgc aaccgcttca accgcaagca gccaccgtcg 360
 gtgggtggag agaggaaggc aaggccagaa aaggatnaag ctgtaaactg t 411

<210> 12451
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 12451

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 ttttgctccc tagtgaatcc ggatttgacg gttctcggag tccggtttgc tctcgcgcg 180
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 cgctgaggca ggtggtgcct cgtgttatcc cactcancta caaaggancc tgaaggaagt 360
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ctatttaact tttcttatat ataaaaaaaa tggcgaaaaa tttactagca atatgtctgg 180
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tcttttcaac gttcaagtct tacatgagct ttatcaagct caagcatcga tatccgcac 420
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<212> DNA
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<223> unsure at all n locations
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<400> 12453

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<223> unsure at all n locations

<223> Clone ID: LIB25-070-Q1-E1-D9

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 gcgtggaagg cctttcagca tgttgctgca tatgattctg cggtttcaga atggctatgg 180
 aagcagactg aaggaaaaga gaagttccct cccagcttta cagttccgct tgtacttaag 240
 agttctcttc gttacggtga aaatcctcat caaaaagctg cattttatgt tgataagagc 300
 cttgctgaag tgaatgccgg tggatcgca acagcgantc agcatcatgg aaagganatg 360
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<210> 12455

<211> 246

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-070-Q1-E1-E1

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 tggntgcatt gtgagccctg atctctctgt tctgaacctt gtcattgtna ataanggtga 180
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<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-070-Q1-E1-E2

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<210> 12458
 <211> 76
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 <213> Arabidopsis thaliana
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<210> 12459
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 <213> Arabidopsis thaliana

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 tttggttgaa ttcattggat tgttgatcga gattggttta ctgaggtgat cgaaagtatg 180
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 aagaagacag tatcttctgt tcaagatatt gaaagacaag cttcttcatg cncatctaac 360
 gaagacagca attttatcat aacgtttccg angaaaggct cgtgcnaaac cctagaagtc 420
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<210> 12461
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 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-070-Q1-E1-B2

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<213> Arabidopsis thaliana

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<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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gagaatatag ccgccgggtg ggtccancct atggacacca tgaagcggtc cgatcgcaac 420

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gagaccgntg 490

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<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<211> 101
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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aaccatctgc gactagtcc tcatactgaa gggactttac ataggtttag atttaaaaaa 180

gtggagatct tctctctttt gataactctg gtctgttgga ttactgggtg aattttatac 240

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<210> 12469

<211> 205

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-069-Q1-E1-H2

<400> 12469

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ttcctntgtc taaaaaaaaa aangg 205

<210> 12470

<211> 70

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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ccaataacat 70

<210> 12471

<211> 425

<212> DNA

<213> Arabidopsis thaliana

1. The first part of the report, which is the most important, is the introduction. This part should be written in a clear and concise manner, and it should be written in a way that is easy to read. The introduction should be written in a way that is easy to read, and it should be written in a way that is easy to read.

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cgactcaaac aatatgtttt gagtaatcan atttgctccc gaccaaaca tctcctctca 180

gagtttaaac ccaccagaag atggaccttc tcttgcaaat gccgtaacag aggaagaaat 240

ggttaccgcg aaattcgatg acgaaggana agatttcatt gttgttaact tctancggtt 300

tgtatcaatc ggagatcctg anctgagat tgagaagcaa ctctcattct taaaaggatt 360

tgaatatacg aaggcgaatg atatnctcaa ntgaanaang ggg 403

<210> 12474

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-070-Q1-E1-A5

<400> 12474

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aaggattcta tgccgcaaga gcttcgattg tatcctctct gaggattggg caa caa 120

taccatggat aacaatagcg agcgcgaagg aaaacgaatc gataaggata atattcgtgt 180

caagcggaaa actttgcaag ctttgctcaa tgattgccag agagccctcg caa caa 240

cttagccgaa gtcagttctg aagacgatga agatgataaa agca caa agggaagtgg 300

gtcacaagag agcaggggag aagtttcttc ttccgatcga gaagatcctg aagctgatga 360

attatatgat ctcatcaaat ccaagggttg aatgtgatga cntcccttga aaagattgat 420

g 421

<210> 12475

<211> 224

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-070-Q1-E1-A7

<400> 12475

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 atgcttttctt ggaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaacaaa 180
 anaaaaaaaa aaaannaaaa anannaaaaa nanaaaaanaa naaa 224

<210> 12476
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-070-Q1-E1-A9
 <400> 12476

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 taatgtcaaa ccagattgc cgcccttctg atctatgctt gagggctctg tacttgatca 180
 gatgcgttgg ggatctcgac acggcggcga agtacgctcg tttggctggt ttcaccagca 240
 tcaaatcgga gtcaacaaca acaatatgtc aatccatcat cggaggcatg ttacgggata 300
 aaaggctcaa ggacgcttat gatctctacg agttcttctt caatcagcat aacctcaaga 360
 cccaacaagc cattggctgg gnactacatc a 391

<210> 12477
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-069-Q1-E1-F8
 <400> 12477

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 aatgggacgg ttctggagca gattttacat gnaaggga accgctacaa ctacctgaat 120
 cagtggttcc agaagccttt anagaatggg aagtgaaggt gtctgattgg cagacgcagt 180
 gtccactct tgccagccc anctcactat cctttcttta caagtccatc anactccncc 240
 ccacnnttgg atgtnaagct gatncatcca cncgttacag catcgaccag aggatcatcg 300

ggggaggcaa atcctctgca tnancctttt cgtatnctgt cacnggctcc taatgtcnct 360
 gtgtngcctt tgcngaacaa ncaacttgaa gtggaacatt tgtccgatnn anccaaaagg 420
 acaaggag 428

<210> 12478
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-070-Q1-E1-B10
 <400> 12478

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 aagctcggga gttactatga ttcttcgctg atcataaaat atggcggaat cagcgatggt 180
 gttggtaaga agcaggagct ttttctaagt gtttcggtga aancagtga agacaaaggt 240
 aacaatggag gtggaagcat gagtttctcg ggtcaaagct gggattctag ttccgagatt 300
 gaagttcctt naaaccaaag acccgtgant gagtattcgt ctctnanagga acgaatgttg 360
 tantcatggg ggagaattgg ggtccaagcg aaatcnttag tcntcgaaag tggtccttng 420
 ggttggggtca ctttcacggn ttncctggga ngttccctgt tngcag 466

<210> 12479
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-070-Q1-E1-B11
 <400> 12479

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 tcgaagcttc acgatcgtat aataatggcg acggcttcag ttgcttttaa gtctagggaa 120
 gaccatagga agcaaattga attagaggaa gctcgtaaag ccgggcttgc tccagctgag 180
 gttgatgagg atggaaagga aattaatcct catattccgc agtatatgtc atctgctcca 240
 tggatatcta attctgaaaa accgagtttg aagcatcaaa ggaaatggaa gagtgatccc 300

aattacacta agtcgtggta tgatagaggt gcaaagatct ttcaagctga aaaataccgc 360
aaggggancg tgtcaaaact gtggtgcaat gacgcatact gctaaagctt gtatgggata 420
agcctcgtaa agattggggc gaagtacaca aacat 455

<210> 12480
<211> 382
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-070-Q1-E1-B12
<400> 12480

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ctaattggaaa gcatcacaac agaggaagat gaaggaggaa agagagtaat atctctggga 120
atgggagacc caacactcta ctctgttttt cgtacaacac aagtctctct tcaagctggt 180
tctgattctc ttctctccaa caagttccat gggtactctc ctaccgtcgg tcttccccaa 240
nctcgaaggg caatagcaga gtatctatcg cgtgatcttc catacaaact ttcacaggat 300
gatgtgttta tcacatcggg ttgcacgcaa agcgatnnt gtagcattgt cgatgttagn 360
tcgtcccaan gggctaataa tc 382

<210> 12481
<211> 426
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-C5
<400> 12481

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aatgggagaa tcatcaaate caatggctac aagttcttct tcttctctct cctcaattcc 180
tccttcgtct ccaacacct ctccgacgtc cacaaccact ccgccacgtc aacatcctct 240
cctccagcca ccatcttcaa aaaagaagaa aaacagaaca aacgttttca gagtcttacg 300
caccgtgttt cgatctttcg caatctttac aannancatc cgtagcatgc aaaatcccgg 360

ttananatcc ccggtttaag gcttaacggg atcacatcac nancaggtca nngaatacaac 420
gggnag 426

<210> 12482
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-068-Q1-E1-C7

<400> 12482

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agccggactt gaagattgaa gatagagagt cgagtcttct tctcttgatg gaaaatggaa 120
aagactcaga ttgggggtcac atgctaagag agagagaggg aaggcttttg tttttttgat 180
gggtttggga atggttttta acgagttcta aagccacaca cttgagagac agagaaacca 240
tactactaa tctctgcatt tctttaagag gtcagagatt ctttctatat taagtattat 300
cattatcatg tgcaccttct tttttttctg ttattgttgt tgaacgtttt tttgaaggcg 360
aaacagagag aaaagtaata ttttttggtg 390

<210> 12483
<211> 53
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-C8

<400> 12483

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<210> 12484
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-D1

<400> 12484

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aagaaaacaa aaaaatcaaa aaaaattaga aaatgaaagc ctcaacaaga gtcatatgga 120
 caatatctgt ccttatgctc gctgctgtgt ccgaggccat ctteccctcta ccgtttctac 180
 cgttccctccc tgggttcaac aacggcttta gggacaatga ggctgtcaag gttgcgaaac 240
 cacagcctgc aggagcagtt ggtggaaaag ccgcaagaag gcagcgtggc ggcggtttag 300
 acgctcagac aacctgggggt gggtaagtgg gaagctcttc ttggaaaact cgggtgtgtc 360
 agggatgcat gngatcctta tgccanttat caacaangtc cagttctatg acgccancat 420
 ttgggtg 427

<210> 12485
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-D10
 <400> 12485

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 caaccaccaa caccacaacc ctagccgttc ctgcattcgc gaatccaang tggatcgaaa 180
 tcaaaactct ctcgaaacga tcaatgcnc aattcacgaag acaaccagag ctattcggaa 240
 tcagaatcgc ctctgttggt atcaccggnt tcattctcgc caccgtgttc tggcgattag 300
 ataattcgcc taaaggagtt cangagcggg tanggttctt cgccttcncg atgtcgacaa 360
 tgttcnacac ttgcgccgat gcgttaccan gttttctctc agggaaacgtt anatcttcac 420
 tgnagagaaan tgcttacaag gcntancggg nnntcgncca tnnggttc 468

<210> 12486
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-D2
 <400> 12486

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tctccgtcac caaattcgac tctctcctat tccagtaccc atcaatttct caaccctct 120
tcttcgtttc ccgtctcggt atcagtctca tctccgaaga ataccgcga tcttcgtctc 180
ctcatcacct ccgctttgaa tccacagacg ggacagccga cgaagaaggc ctccaccggt 240
agtgataaga gtagtacgaa caagaaacgt aagaaaaagg ggaaaattgc gaaacctgtg 300
gaggattggg aattgagaga ttcagaagac gcttttgagg aagatgatga tgccgattat 360
tcttcttctt cgagttctct aagcaacttt taactctctt cctaacatan ccaaancanc 420
tg 422

<210> 12487
<211> 414
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-068-Q1-E1-D3
<400> 12487

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acgtagacat cgcgaccacc gcttcttcat tagggcgctc cggcgtcttc catatcatca 120
atgacatagt cggattcgct ctctatatgc accagcagat cccttcggta ttacaagaca 180
tgagccttga atttgaagga ttgcaaactg aatttatgga tttggagacg aatcttgcag 240
aacctcaagt gaaaccactg gttagaagaa aactgatgag tagaaagaga gaggtgaaga 300
atgagattaa gaaactggag aaactgatga aaaccatctc tagtctccga agtgcgctgc 360
agttaatgat ccgtgaagct cctggcattc agaaagtgtg gttgattccc tggg 414

<210> 12488
<211> 423
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-068-Q1-E1-D4
<400> 12488

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aataaaaaaa aataaaaaaga agcagaaaag agataatgca gggtagtagg cttttgacgg 120
tgttggtgtg cctcgctctc acggtggcgt tggtagcgc cggtgacct tacttctact 180

acacgtggaa cgtaacctac ggaaccgccg cgcctctcgg aattcctcaa caggtgattc 240
tcatcaacgg acagttccct ggtcctaacc taaactcaac ctccaacaac aatgtcgtca 300
tcaatgtctt caacaacctc gacgaagcct ttcctcttga cctggaagtg gactccagca 360
caggaagaac tcatggcaag atggtgtgac tggggacctc atgcccaatc ccagcaggca 420
ccg 423

<210> 12489
<211> 409
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-068-Q1-E1-D5
<400> 12489

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ccgttgattc tgggtctaaga aaccagatcc caatcataga catgagtctt ctgtgttctt 180
caacctccat ggattctgag attgacaagc ttgactctgc ttgcaaagag tggggatttt 240
ttcagcttgt aaaccatgga atggagtcaa gtttcttgaa caaagtaaag tcagagggtc 300
aagacttctt caaccttccc atggaagaga agaagaattt gtggcaacaa cccgatgaga 360
tcgaaggggt tggacaagta tttgtgggtt cagaagagca gaaactcga 409

<210> 12490
<211> 419
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-068-Q1-E1-D6
<400> 12490

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tcttcttcta taggacaacg tttttttaca cattgaggct aaaagagaga tggctgatga 180
tcagagttca agtactgacc gtctcgtgaa acctgaaagt ttaaactcag atagaggatc 240
caatcaatct attgaatctt ctggagagag ttctagagct cagggttcca caagcctgtc 300

tactactaaa tctatggatg gtaagaaaac cgaggaagaa gagacaacgg aacaacgcga 360
 tgttgatgat gaagaggaac cgctcatcca atcgggttgaa tgcgtatat gccaaagagg 419

<210> 12491
 <211> 379
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-D7
 <400> 12491

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 tgagcgatcc acaaatgatt aaagaaatca aacaagccgt tacgattccg gtgatggcta 120
 aggctaggat tggtcatttc gttgaagctc agatccttga agcaattgga atcgattaca 180
 tcgatgagag cgagggttttg actcttgctg atgaagatca tcacatcaac aagcataatt 240
 tccggatccc gttcgtttgc ggttgccgga atcncggcga ggctctgagg aggatccgtg 300
 aaggtgcggc gatgattagg accaanggtg aagctggaac cggtaacatt attgaagctg 360
 tganggcatg tgaggtcnt 379

<210> 12492
 <211> 365
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-D9
 <400> 12492

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 aatggcggtcc ggtgatgttg antatcngtg cttcgttgga ggtctagcat gggccactga 120
 tgnccagaagc tcttgggact gccttcnctc aatacggcna cgttattgat tccaagatca 180
 ttaacgatcg tgatactgga agatcaacgg gattcggntt cgnccacttc aaggatgata 240
 angccatgaa ggatgcgatt gagggaaatga acggacaaga tctcgatggn cgtagcatca 300
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<210> 12493
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-E4

<400> 12493

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 caaaatcaac tacaagggtc tcgaacttga tctcggtcat gaagaggatc atgaagttac 180
 gaagatgatg agaaacaccg caaaaagctt cgacagtgat tacttcatct gcccaattca 240
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 cctccagatt ccaataactt gggaaccttt gtcccccggtg gacgacaaag atnacaataa 360
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 cgtnG 425

<210> 12494
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-F10

<400> 12494

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 atattcaatc ccgtacaagg tgttacggng taggagtaga agattangac tcgtcgtcag 180
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 ggaggtggca gaagtgnccg ntagagcntt caaaantacn gtgtcaaagg agnctgtcna 360
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<210> 12495
 <211> 479
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-F11

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 tctcaattcn catcttattc tccgtacttc caancttctt gntgatgaag atcctggatt 180
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 aaanaaggaa agaaacccta tgttattcca gtcggtggat cgaactcttt gggaacttgg 360
 ggttatatag aancagcaag gggaaattga ggaggcagct gaattanaga ccccggnacc 420
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<210> 12496
 <211> 484
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-F12

<400> 12496
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 aanagagaag aagttgtcaa taaaattctt ctcggggagg tttttaccac agatgattat 180
 ggttgctgcc ttaaagacca tgacacttta acgaagctga gaataggttt caatgctgtg 240
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 gttttaagct ttttgcaagt acctagtcca gaactccaat atgctctaca gggttcagcaa 420
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 tgng 484

<400> 12503

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tcaaagcctg tcgatgacaa gatcatggag attgcttccc ttgagaagtt tcttcaggag 180

aggatcaagg tcggtggcaa agctggtgca cttggtgatt ctgtcacaat cacacgtgag 240

aagagcaaga tcaactgtcac tgcagatggc caattctcca agaggatattt gaagtacttg 300

acaagaagt acctgaagaa gcacaatgta agggattggc tcagagtgat ttgcagcaaa 360

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<210> 12504

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-068-Q1-E1-B2

<400> 12504

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tatgggacct atctagtaac tttgttttca cggaggagga cattggtaag aatagagcac 180

ttgcttctgt tcacaagttg caagaactca acaatgctgt ggctgtctca actttgactg 240

ggaagttaac caaagagcag ctttctgatt tccaggttgt ggtatttttg gatattctctt 300

ttgagaaagc gacagagatt gatgattatt gtcacaagtc atcaagcctc ctattgcatt 360

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t 421

<210> 12505

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-068-Q1-E1-B3

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 ggtgttttgt gaccaatgca aggatggaga gagatctttg tttgattttc ctgtctctgg 180
 aatcaagatt agtgtcacat gtgctgatga aaatggacag gtctatatgt caagagaaga 240
 gactactaat tggcttggag gatatgtaat gagatttgat gggacaccgg atctaagtaa 300
 ctgttatgct caagtttcaa gacaatggag ttcaacaaga cccaagtagc tgcagcattg 360
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 gctgc 425

<210> 12506
 <211> 412
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-B6
 <400> 12506

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 aagaagacgg cagcaatcgt gtgctccatc tcccagggtt atggctacgg cacgggtggac 180
 tacgagagaa ggccgattgt ccagtggaaat gccatctaca agaagatttc gctgatggag 240
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 accaagtggg agctctgtcg ggtcgtcaag gagcttcgca agtacaagcg tgccaaccaa 360
 gctctcgagg tgtacgactg gatgaacaac anaggcgaaa ggtttcggtt gt 412

<210> 12507
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-068-Q1-E1-B8
 <400> 12507

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aaagaggcag agatttgagc aggacgagag tggtgagaag ctaccagatg ctctgcttct 180
tctggagtca ccgacactcg ctcaggtgac tggcggagac catgcttccg ttgttgacgc 240
tgcaatggct gagagtgcac taaggaagag agacttgagt gggaatgctt cttctcttcc 300
tcgtcgtccc aagctaccaa gaggaaattt gcctcattca aagaattatc ctgaaacttt 360
gggtaatgtg cttgtgcctc ctcagctcaa gggaaggagc aatgttgcta cagaagg 417

<210> 12508
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-B9

<400> 12508

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acanaaccca caagtcgaaa tctcgaaatc cgttgagagt ttgttccttt ttttgtttgc 120
tcggagatgg aggctttgcc ggaggatgaa gagtacagtt tcanggaagt antgttgccg 180
tctttgattc cggtagtgcc ggagccggaa cttgagagag acagcggnga naggagaaga 240
ggaaganatg ttatcgtagc cgttgatcat ggtcccaata gcaaacacgc ttttgattgg 300
gctcttggtc atttctgtcg tctcgccgat actctccatc ntgtccacgc cgtctcaact 360
gtnaagaacg atgttgtgta tgagacgac caanccctca tggagaaact tgctgttgag 420
gcgtancaag ttccanggta aacactgtgg ccncngtttg ttgaaaggng annc 474

<210> 12509
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-C1

<400> 12509

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atcgctaaag ctgaagagag tactgaaggt gaaactgagg ctgttggtga gaatgctgtt 120
gaaactgaag cggaaggaga aggagaagcc actgttgccg cggaaggagc taaacctccg 180

tggaagacga gagtcaagct cggagatatc atgggggtac tgaacaagaa agctattgag 240
gttgacagaga ctgtaagacc gggtcctgga cttaggactg gggatattgt agaaatcaaa 300
ctggaagttc ctgagaacaa acgtaggcta tctatctaca aaggattgt gatgtctaga 360
caaaatgcaa gcatccacac tactatcccg tatccggagg atattgcang g 411

<210> 12510
<211> 493
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-C10
<400> 12510

nnanggaact gttagcctnn cgtacgcctc cgaaaattcc aaggtnacc cacgcgtccg 60
cagacttcca agatcagtag cttctacaac attaacatca acacctatgt tgttgttgt 120
aagatttggtg tgaagtcatt ttcttgattc ccaagggat caagaacatg acttcactca 180
aacatctaga catatccaac aacaacattt caagtcttcc tccagaactg ggtttgcttg 240
agcctacact tgagggttcta cgacttgacg ggaaccatt aagaagtatc aggaggccaa 300
ttctanaaag aggaacaaaa gctgtgttga actacctgaa agacagactt ccagatcagt 360
agcttctaca acattaacat caacacctat gttgtgtgtt gtaagatttg tgtgaacacc 420
agantgatatt tattgatgan aaatgcgtgt gtcccggtgc cgaagatagt ttcaactttt 480
gggtggggggt gng 493

<210> 12511
<211> 474
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-068-Q1-E1-C11
<400> 12511

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aaagttaaag caattgaaac ggagggaata ttcgccggcg aatttccggt aaatgtctga 120
gtggtttatc agtaggaatc ctactttttc gacggcattc ccaagtagtt gtattacagt 180

tgtaaattccc aattttatttc tcctttcttc agaattcgat tcgtatactc ctcaatgcct 240
 atttaatagt ttaaccacca ccatgcgtct ctctaaacgc caactctcgc ttctctcttc 300
 tctctgcttc tctactttct ctctcgttc ccgtttccat cattttctctg gaaaatatcc 360
 agctcctcga agagaatttc tccacactac tgggacaagc canctgtgtt ttaagagttc 420
 gatgnnaaga tcagaaaccg agtgctctca gtgaaaaatg tgttgcagtt tcag 474

<210> 12512
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-A3

<400> 12512

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 ccttgaggaa atctgggaga ggaaagatcg anatcaaacg gatcganaac acaacgaatc 180
 gtcaagtcac tttttgcaaa cgtagaaatg gtttgctcaa gaaagcttac gagctctctg 240
 ttctttgtga tgctgaagtc gcaactcatcg tcttctctag ccgtgggtcgt ctctatgagt 300
 actctaacia cagtgtaaaa gggactattg agaggtacaa gaaggcaata tcngggcaat 360
 tctaacaccg ggatcgggtg gcagaaatta atgcacagta ttaccncaa agng 414

<210> 12513
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-067-Q1-E1-F5

<400> 12513

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 aaattcccaa cactatcatt cccttcttcc tctataaaga atcatcactt cttcttcttc 120
 tcaatggatc cttgggatac ttataacata ccactagacc accaacaccg tctccgtaac 180
 cgccgtgacc accgtcatcc ttcttcttcc tctactctcc tcgaccaaatt ttaccgctcc 240

<223> Clone ID: LIB25-067-Q1-E1-G3

<400> 12516

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gcaggactcg aggggggtgga taaattaggg agaacaccat taatcttagc ttgtacgaac 120
gacgatctat atgatgtagc aaaaactctg cttgagttgg gctccaatgt caatgcttat 180
cgttctgggt gcaatgggtg gactcctctg caccatgctg caaaaagagg tctcgtacac 240
acgggttaagt tacttctgtc tcacggtgca aatccattgg ttcttgatga tgatgttaag 300
acagctctcg aggttgctag agatgaaggt tacagtaatg tcgtacgcgc aatcgagagt 360
catatctgct tgttctccgg ttgtatgcgt gagtaatccg gctccaacnt gcttaattta 420

<210> 12517

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-067-Q1-E1-G4

<400> 12517

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ctatgcttga tgtcgcaaag cttagactac cctctttcga tactgattcg gattccctta 120
tatcagacag gcagtggact tatacaaggc ccgatgggcc ttccactgag gcgaagtatt 180
tagaagcttt agcctctgag acacttctca caagcgatga agcagtagtt gtagcagcag 240
cagctgaagc agtcgccctt gcaagagctg ctgtcaaagt tgccaaagat gcaacattat 300
ttaagaacag taacaacacg aacctattaa cttcgtcaac ggccgacaaa cgctccaagt 360
gggaccaagt ttactgagaa ggaacgtgct ggcatattgg ggcatctagc ggtttccgga 420
caatgg 426

<210> 12518

<211> 423

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-067-Q1-E1-G5

<400> 12518

6088

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ctagcagggg gcacagctta agaactagac aacgtagttt ctggtgccan ntcgntnttt 120
catnngcctc ttctgccttc ctccatatag actggtgggt gaaaactgtg ggcgtatttc 180
acaagcactc catatccatg ataactatgc tatggtttca agcagtagag tcaacctctg 240
ttagacagaa gaagctggag aagaagataa atggtgatct tagtttatat gaagaagcgt 300
ctatatgaaa atctcaagta agtagccaac taagtgtttt gatggattgt tagacctatg 360
attttgcagc cataggattt tttttcgttt ttttttccat tcaactatgt ttttggttac 420
tat 423

<210> 12519
<211> 393
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-067-Q1-E1-G7
<400> 12519

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cacttatggg ccttgagctc caagtcacaga ttgggtccat gggagaagat acagggacca 120
aaaacgcgat cttgaacggt gttgaggttc tgaagatgag caattccgtg aacagccttg 180
atggagagtt tggagtggat ggtagaacca ctggcatggg gaagcatggt atggtagcaa 240
ccgcgggggt tgtgatgatg tttggagctt tcattgggtct gggagccatg gtttacaagt 300
ggaagaagag gccacaagat tggcagaaga gaaatagttt ctcctcttgg ttgctaccaa 360
tacatgcctg gtgataaacac tttcatggac aag 393

<210> 12520
<211> 426
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-H1
<400> 12520

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cctcagttca agtgcaccacc tgattctttc tctattcact tccgaacctc tttctgtgcc 120
cctaaacaca acaaggggttc agtctttcttc caaccgcaat gtgcagtatc cacttcaccg 180
gcgttattaa cttctatgct tgatgtcgca aagcttagac taccctcttt cgatactgat 240
tcggattccc ttatatcaag acaggcagtg gacttataca aggcccgatg gtccttccac 300
tgaggcgaag tatttagaag ctttagcctc tgagacactt ctcacaagcg atgaagcagt 360
agttgtagca agcagcaagc tgaagcagtc gcccttgcaa agaactggct gtcaaagttg 420
ncaaaa 426

<210> 12521
<211> 401
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-H12
<400> 12521

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taactttggt gcagaacttg attgcatttt atcgttggct tgtgtagccc atcagaataa 120
ctacgtaagg cctgtcctga cagtagaatc attgcttgat attcgaaatg gaangcatgt 180
tttgcaggaa atggctgtag atacttttat cccaaacgac actgaaatca atgataatgg 240
acgaattcat ataattaccg ggcctaatta ctcaggaaaa gagcatatat gttaaagcagg 300
tggcgtaaat tgttttccta tcccatattg gnaanccttt gtaccancaa gatncancaa 360
cctgttgggt taactggaca gggatccttt gtgcaantgg g 401

<210> 12522
<211> 483
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-H2
<400> 12522

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gaggtgaggc gggttatggc tggtcatttt gaccgacagc agatggatac tgcttataga 120

gatttgactt tcaggggaatc aaacgctagc catgttccca atttccagag gccacttttg 180
 aggaagaatg tagggggaag aatgtctgca ggccggagga ggagttttga tgatagccaa 240
 ctgcaaattg gtgacatatc aaattttgtt gatgggtccag cttccctgaa cgaggccctt 300
 aacgacggac tgaactcaag ttctgattgg tgtgccagag ttgcagcttt taattttctc 360
 caaactctgc tgcagcaagg cccaaaaggt gctcaagaag taattcaaaa gttttgagaa 420
 agtaatgaaa ctatttctcc ggcatttgga tgatcctcan cacaaggtcg cacaaagcaa 480
 caa 483

<210> 12523
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-067-Q1-E1-H3
 <400> 12523

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 tgggtggtttc tcaactttcta gattctcttc tgttttcaag aaagatccca aaaccaatct 120
 ccaccaccac tctctctctt cttccaccgc aacaaccgcc gcagctccgt cgtcggtgaa 180
 gagaatgagc tcaacagcta aagaagtaat acggaaatac atgaaaaaag tcaaaccatt 240
 atacgaaaaa ttatctccaa aacagagctc caatataaaa acagagtcac catcatctct 300
 caaagattcc ggtaacaaca tccgtgggga ccaccaancg taaccaccgt caacggcgct 360
 ccaaacgttg tctctctcgg tgggtgggtt taacaatccc tttctccggg aaactaaang 420

<210> 12524
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-067-Q1-E1-H5
 <400> 12524

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 tcatggttgg ggtgcagata aatcctgtat caggattgcc ttctggatat ccagacttgc 120

6091-12523-12524

6092 "the seed"

ttcgtttcgt cctagaacat gttgaagaaa agaattgtaga gccacttctt gaggggtttgc 180
ttgaagctcg tcaagagcta aggccacttc tgctgaagtc ccatgaccgc ctcaaggatc 240
tgttattctt ggacctcgct cttgattcta ctgtcagaac agcgattgaa agaggatatg 300
agcaattgaa tgatgctgga cctgagaaaa tcatgtactt catcagccta gttcttgaaa 360
atcttgcctt ctcttcagat gacaatgaan gaccttatat actgcttnaa agggatgggg 420

<210> 12525
<211> 328
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-067-Q1-E1-H6

<400> 12525

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cgatcccttc tctgcaggct catctttatc taatttcggt tactcattat atcttctaata 120
ccgtttcgta tactatcgcn antcttggtt tctggttggt tgtattttgg gattttcttt 180
gtgtttacgt gataanggat gcagggttgn ancggtgccc agntcaanaa nactttcttc 240
ncagaaaaaa ttccaangga anntctggac aggttcanac cgaataggtn gagcgatgga 300
cttttgacta tgctcantgg gnentcac 328

<210> 12526
<211> 304
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-067-Q1-E1-H7

<400> 12526

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aatttcacgt tcaagactcg tccggaatga gaaaataata agttcaatgc tttgattttc 180
agaataagat gaacgatgac gatgttttct aaatccgagc ttgtactaaa taacaatata 240
ttacaacacg gtttgcgga ctaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaagg 300
gcgg 304

<210> 12527
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-067-Q1-E1-H8
 <400> 12527

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 ttgcgaagta tgggagacgc tagagacaac gaagcctacg aggaggagct cttggactat 120
 gaagaagaag acgagaaggt cccagattct ggaaacaaag ttaacggcga agctgtgaaa 180
 aaagggtagc tgggaatata cagttctgga ttcagagact tccttttgaa accggagctt 240
 ctcagagcta ttgttgactc aggatttgaa catccatctg aagtgaaca cgaatgtatc 300
 cctcaagcta tcttgggtat ggatgttatc tgccaagcaa agtctgggtat ggggaagact 360
 gctgtgtttg tcctgtctac tctacaacag attgaacat ctctggcca 410

<210> 12528
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-068-Q1-E1-A1
 <400> 12528

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 gttggcctgc gttattggaa ttgcgggttg ctgttgctg ccatgcatca ttgcagtttt 180
 gtacgctggt gctgatcagg aaggggcttc aaaagaagac attgagcagc tcaccaaatt 240
 caagtttcgc aaactaggtg atgccaacaa acacactaat gatgaagccc aaggaactac 300
 cgaggggaata atgactgagt gtggtacana attcaccat tgaacatact ctttttgcag 360
 gaagatgcac aantgtttca tcctgtctct ctgccataat gaangacnga acaaganctn 420
 aaaggggaanc taccttgntg gng 443

<210> 12529

<211> 427
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-067-Q1-E1-F3

<400> 12529

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 aacctagggt cgatttaggt ctgtccgaat tactgtccgt tgtcttggtc gttagtcgat 180
 tcgatctgag aaagaaagaa agagaagaag aaaaaacgat gtcacgatat ttcacatccc 240
 caccgcctgt gtatgcgagg aactgggcca acgggtcaaaa cttgggtcgaa tggactaaga 300
 tcgaaaggac caatagttga ttctaaaaag ctgcatcgga aagagaagaa ggagaaaaag 360
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 caagacg 427

<210> 12530
 <211> 403
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-066-Q1-E1-B2

<400> 12530

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 gacgagttca agcgtccgat cgatgagtta gcttgaggct cgcagtctgt tcttgagacg 180
 attggtggta agaaatcgat gagatttgat gatnccatgg atnagttcaa gaggaatcna 240
 nagatggagg aagattcgaa gaaggtaatc gatgtgaaag tggctgagag tgataagggg 300
 ttcgcgaaat ttggcaaggn agatgttccg tttcatatan cgacgttaac gaagcctcaa 360
 gaggagtata agattttggt anacaatgct aataatcctt ttg 403

<210> 12531
 <211> 414
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-066-Q1-E1-B6

<400> 12531

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cctgacatcg tgttcgttcc cgggagaaag gattcaaag tctgccccaa ngaangaaga 120

cttcctgatg ccaaacaagg tttccaacat ctacagagatg tcttctaccg catgggacta 180

tctgatangg atattgtggc actctcaggg ggtcatactc tgggaagggc tcacccggan 240

aggtcaggct ttgatggacc atggacccaa gagccgctga agtttgacaa ctctacttc 300

ntggaaactgc tgaaaggana atcagagggc ttgttgaaac ttccaactga caanacctta 360

ttggnagacn cggagttccg tcgtcgtggt ganccttatg caaccgattn aaga 414

<210> 12532

<211> 406

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-066-Q1-E1-B8

<400> 12532

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tcacggccaa catcattcta tcttttctcc ggctactggt gctgtcagtg atagctcctt 120

gaagtttact cacgtcctct acaatctttc gctgcagag ctttatgagc aagctattaa 180

gtatganaaa ggttcgttta tcaacttctaa tggagctttg gcgacgcttt ctggtgctaa 240

gactggtcgt gctccagag ataagcgtgt tgtagagat gctactactg aggatgagct 300

ttggtgggga aagggttcgc cgaatatcga aatggatgaa catactttca tggatgaacag 360

agaaagagct gttgattact tgaattcctt ggnaaangtc ctttgt 406

<210> 12533

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-066-Q1-E1-C1

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 aaaccaagc ataacggcga aaggatcgag cagagaacta agacttgga gaaccgctca 180
 caacatgtct tcttcttctt tgaggaaaaa atcagacctc cgagtgattc agaaggttcc 240
 atacaaaggt cttaaagatt ttctctctaa tctccaagaa gtcattctcg gaacaaagct 300
 tgccattctt tttccggcca ttctgccc cattatttgc acctaattgt gggcgtcagt 360
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<210> 12536
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-066-Q1-E1-C4
 <400> 12536

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 tttggcttcc gggtcgttag tgtttgatca tcttcgtatc tcagaagggt gaactttggt 180
 gttttggctt ttgcgtactg ttgaatcagc ttttccagat gcctcgaaga ccatcatcag 240
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 ttgcttcaat ggctaggcgt gattttgtct atcctgaaga ttgtcaatgt tctgatgaag 360
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 aagtctcgga ctcgctctgat gaagaagatt ctcaggaaga tgtccaag 468

<210> 12537
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-066-Q1-E1-C5
 <400> 12537

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 atacacataa gcaaaacagc aggaggctca tttgttctgt tgccacagaa tcagttccgg 180

ataaagctga agattccaaa atggatgcac ctaaagaaat atttctcaag aactacacaa 240
 agcctgatta ctactttgaa actgtggatc tgagcttctc tctaggtgaa gagaaaacaa 300
 ttgttagctc taaaatcaag gtttctctc gagttaaagg atcttctgct gcattggtct 360
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<210> 12538
 <211> 376
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 12538

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 aaaagttctt caatcagatt ctggaaacta gggtgttggt agaagttatg gtgagaaatg 120
 aagcttagat tgagatttaa gttatgggtt gtgtatttgg ccgagaggcg gcgacaacaa 180
 caacagctga agctaaacaa gctaagagct ctaaagctag tagtgagta gtagtagtag 240
 ganagagtag tgtgactaag agtaatggag ttattgctga tgatgtagaa gaagaagaag 300
 aatgaggang gcaaatggtg ataaagaaag gaaatcatcc aaaggagatc gaagaaggtc 360
 gacaaagccg aatccg 376

<210> 12539
 <211> 473
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-066-Q1-E1-D2
 <400> 12539

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 aacgtcccct tttcccat catccttctt caacgttcgc tttcccatca agaacaanca 180
 aatctcttgt aacaaagcaa agaatttgag aatggatccg tctaaggga tccaagaaca 240
 gaggattgtg attccaaaca gacacaanga naagctgggt ggtctgcttc atgaaactgg 300

<400> 12542
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 ctgtctcatt gntccctttt cccagaagct gaaacaaatc tgtttttttt ttttttgttt 120
 tgtttctgtg aancctcaga tcttgatctg aggagaccct acagattctc ttagtgtttt 180
 ggttcactgg aatgatcaag gatctaagtt atgtagaaat ttcntagttt gggagatttc 240
 angaanattg ctaagagttg agtgatacta agttcaggat taatattgtt tttgagaana 300
 acacagtcaa agatttagaa agtgatgtga tnttttgggt tcanatatgt tacaccgtct 360
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<210> 12543
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-066-Q1-E1-E6

<400> 12543
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 cgagttccgt gctctcctct cactcaaac ctctctcacc ggcgccggag atgacaaaaa 180
 ctgcctctc tcttcttgga aagtctcaac aagcttctgt acatggattg gtgtcacgtg 240
 cgatgtatct cgcggtcacg tgacttctct tgatctctcn ggtctcaacc tctccggtac 300
 tctttcccca gatgtttctc atttacgtct tcttcagaat ctatcactcg ctgaaaatct 360
 aatctccggt ccgattcccg ccgggaaatc tccgangccn ttccgggtct t 411

<210> 12544
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-066-Q1-E1-F1

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 cttacagtga gggagtacat tgacgacaca naagactacg tgaacattca actggataat 180
 caacgaaacg aactgatcca gctgcagctg acgctgacca tancctcggt tgcaatagcc 240
 gcagagacat tgttggccag cttgttttga atgaacatac catgtccatt gtanatcnta 300
 catggcgtct ttggttactt tgtgtggagt gttactgcac tttgcattgt gcttttcatg 360
 gncactcntg gttacgccan gtggaanaan ctgctangct cataatctcc ctctctctta 420
 naaaccaatg tgccncttgt gtnataannt atacatangt tag 463

<210> 12545
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-066-Q1-E1-B12
 <400> 12545

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 gagaacaagt agccaagaaa ataacggtga tgggtaggtc atctcctaac gacaagctct 120
 tacttgttca agcactacgg aaaaatggag atgttgttgc agtcactggt gatggtacta 180
 atgatgctcc tgccctccat gaggcagata taggtctctc tatgggtata tcaggaactg 240
 aagttgcaaa agagagttct gacatcatta ttttgatga caattttgct tcagttagta 300
 aaggttgtcc gtttggggcc gttctgtgta tgcnaacatt caaganattt canacaattt 360
 caagccttna cngtgaatgg ttgcccgcaa cttaataaat caatgttggg agca 414

<210> 12546
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-065-Q1-E1-G9
 <400> 12546

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aaagaggcac atcgagtgga tgactaaaca cggccgtgtc tacgcggatg tgaaggagga 180
aaacaatcgc tacgttgtgt tcaaaaacaa cgtcgaacgc attgaacatt taaatagcat 240
tcctgccgga agaactttca aacttgcggt aaatcagttt gctgatttaa ccaatgacga 300
atttcgttcc atgtacactg gtttcaaagg tgtctcggca ttatctagcc aaagccaaac 360
taaaatgtcg ccgtttangt accaaaacgt ttcttctggt gcttttgcg 408

<210> 12547
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-H10
<400> 12547

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cagtctgcac cgaaccaacc tagcggacaa gtctaccagc agcagtatcc tactcatggc 180
tatcaagatt ttcatacaaca ggcagttcca ggagtaagct atcagcagca tcagcagttt 240
ccagttccac ccacaacaca gcccagagaga tatccaaatt acgcaacagg aaacgagagc 300
tttcttgagg ttggattgcc ccaagaaaac ctgcctacca gttctgcaat tcatacagcag 360
gaggtacctt atanttatcc ttctgtagca gggtaancat ttacntagaa catagct 417

<210> 12548
<211> 442
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-H4
<400> 12548

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tcacaaagtt gtagttagag acaattggat cgatgtgatc gtgaagatag acaacatcag 180
atacgatgta ataaagcttg taaacgagaa actgatgtcg agaagaggag caggggagca 240

cgaaaagcat ttcccatcaa ggatctctct gcaactaact cctactcctc caaaaccgat 300
 ttcattaacc gtttccgggt agcaaaatca tcaaaacaat cccggggaag aaaagtttga 360
 aagtcnanaa gattctaatt gaaaggntcc gttccgattc aaccaaact caccaaaggc 420
 ttaanaantt ngcngggccc aa 442

<210> 12549
 <211> 133
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-065-Q1-E1-H5
 <400> 12549

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 gaccatnggt ggt 133

<210> 12550
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-065-Q1-E1-H6
 <400> 12550

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 aaaccttctt ctccggcgaa tcaatcggcg atctctctt attcgatcct tccgatatcg 180
 atttctcttc tctagacttc ctcaacgctc caccaccacc acaggcaatc acaacaacaa 240
 ccgcangctt ctcccatgtc cggttgattcg gaagaaacct catcgaacgg tgttgttctt 300
 cctaattctc ttctctcaaa acccnaagct angattcngt cgccatgttc gtagcttctc 360
 gggtgattcc gatttcttcg atgatttggg tgttacngag gagaagttta tngccag 417

<210> 12551
 <211> 406
 <212> DNA

<213> *Arabidopsis thaliana*

<223> unsure at all n locations

<223> Clone ID: LIB25-065-Q1-E1-H7

<400> 12551

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tttcaaggga tttgctttta agatcaatcc tttcctaaga aaatagcgac aattcatcag 120

cttttccttt cccatccttc agtaccttaa cttactcgag attcatcttc cagctgaaat 180

tgtgaaactt cgtttctggg tttttatcag aaaacactct gtgacttatt gtgtggtgat 240

cgaggaaaga aaaaagatgg ttggtggtgg naacaggaga gatgagggat cgatgccgat 300

tcagaacacg aacttgtttg ctgctttggg tacctcgagg aagaanaaga agtctgataa 360

ggctggtgta agcanagctt cctctannag agaagattca cagaag 406

<210> 12552

<211> 399

<212> DNA

<213> *Arabidopsis thaliana*

<223> unsure at all n locations

<223> Clone ID: LIB25-066-Q1-E1-A11

<400> 12552

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aagtagttga gtggttctcg gagaatctgt ttctcaaaag aagcacaatg gcgttatcna 120

agagaggggt cgtgatgacc tctaattcta gatttcacgg cgaggaagan gaattagagt 180

taggattang atcagtgang ttcacgcgag gattagggag gaaaaggatt ttgatttcga 240

gttggtgctg tgaatctcta tctagatcgg ccgttgagat tccggtagta tctgaatcgc 300

cgccggtgaa aagttcgttg aagagacaac naagcagaat aacaattgtt tcttcttcat 360

cctccgaaaa atctcgactt gagtgtcncc ctcaaagat 399

<210> 12553

<211> 414

<212> DNA

<213> *Arabidopsis thaliana*

<223> unsure at all n locations

<223> Clone ID: LIB25-066-Q1-E1-A2

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 taggggtttt gagctctgaa atctctctat ctttcttctt cagatttctc acttttttct 300
 tcttcataag atcctcgtga ttccacttta taacgtacgc ctcccttcaa gaaaaatctc 360
 tctctatatt atctacgttt ctctcgcctt gtctcctttt gaggttccat ttctacttct 420
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 gacggtggt 489

<210> 12556
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-066-Q1-E1-A7
 <400> 12556

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 ctctgcttcg taatgttacg tttcatgggt tacgagtcca aggaattcgt gtgggaaacg 180
 cagagggttc aaacaataag ccaactcaaaa ccggtcttca agaagtttat ggaatcggcc 240
 gccgtaaatc tcaccagggt ctctgtcacc ttggaatcac taacaaactt gccagagact 300
 taactggaaa agaactcatt gatctccgtg aagaagttgg ccagcaccag catggtgatg 360
 aactgaggag gcgtgttgga tcggaaatac agagactggt cgaagtagat tgct 414

<210> 12557
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-066-Q1-E1-A9
 <400> 12557

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 ttatctgcat gaccgctatt gatctcagac agcataccag tgattgcatg gtaactccat 180

gtgaacattt ctttcaactcg ggatgcttac agagatggat ggatataaaa atggagtgtc 240
 caacttgtcg gcggtctctt cctccagcat agaggatggt ttcggtttgt taggatgtac 300
 agacttcact cagattattg cgggtggggc tggttcttta atttcaggtc cttgcagagg 360
 tttagaagat ttttagatga aaacagagca aagggtggaat ctgtaactg 409

<210> 12558
 <211> 477
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-066-Q1-E1-B1
 <400> 12558

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 cctacaattt cagctaaaat agggcaaaac cctcgcggcg tcagatcggg ttatccgacg 180
 gtgagaatgc agtcacgtgt tcaccgtctg attgaagagc aagggtgtgt gcttattccc 240
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 atctccgggt acnccctctc cgccgtaact ttgggaaaac cagatttcgg tttgataaca 360
 cctccggaga tggcagcaac ggcgagatca gtgttggtgt gcngctccaa agattccaat 420
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<210> 12559
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-066-Q1-E1-B10
 <400> 12559

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 gaggaagaca ttggagacac caccatagga gctcctctc tttgtctgat tccttgtcca 240

tcttattgat tcacctgggc acgttgactt ttctctgag gttactgctg ctctcg 416

<210> 12562
 <211> 402
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 12562

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 tgaataactta acattccctg gtggaggtac tcaattcaag aatggtgctc ttcactacat 180
 tgatttcctc caagagtcac atcctgatat tgcttgggga aataggactc gtgttatatt 240
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 tttgtcattt gcacccaaag acgaacacga ggcacaggtg caatttgctc tgggaacgtg 360
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<210> 12563
 <211> 65
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-065-Q1-E1-E12
 <400> 12563

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 ttgga 65

<210> 12564
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-065-Q1-E1-E2
 <400> 12564

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cttggtgcct gcattggtgg ggaagaaagg actatcgagt ttatggaaag acaagggcgt 180
aagagcttta agacgccact cttagatcac aaggatgaaa agggaatcat caaacatcct 240
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cttgaancct tcggtgtgta ctgtgaagga gagttttaa ggggatgttg ggtaccc 417

<210> 12565
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-E3
<400> 12565

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aaggatggtt cctaagatta tcaaggttgg gnaatcaaga cggaggttagc cgaaactcat 360
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<210> 12566
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-E4
<400> 12566

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ctcttaaact cgctacgtcg attcttaaag gattcatcgc cgataacttt tatacctcct 180
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 ggtggtgggt ctggtgagcg ttcacggatt gcttcgaata ctctcgaag cttgaaggag 360
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<210> 12567
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-065-Q1-E1-E6
 <400> 12567

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 agagaagaga cgaaaggacg aagagaaagc tgaaaaggct aaacaagcac ctaaagcaag 240
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 cagattgaaa tatcttgagg ctgagaaggc taaaggggag aatccatata ctcacaagtt 360
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<210> 12568
 <211> 92
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 12568

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<210> 12569
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-065-Q1-E1-F2

<400> 12569

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caaaagatag tactttcatg tctgttttgg tttcatccaa aagtatcaaa tttgtgtgat 180
cttctccaga agaaacttga ggaactttta gctaaacctc tgtagttttc agattgattc 240
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cggggatcat cttttccggt ctctggatcat ggatatagga tgctatcgac ggttgaaaat 360
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<210> 12570

<211> 476

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-065-Q1-E1-F3

<400> 12570

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tgctgccctt ccaaccaagc tagaaatggc tatagtgtat gccgtataag gttttccaag 240
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aaacttctgt gtgtgggtgcc atgaacactc tccagaactc tgatgcaaag tgaaattgtg 420
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<210> 12571

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-065-Q1-E1-G10

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 attgctgatg agttcaaaaat tgtggtcgtg gacgcaataa gatcgttgtg tgtgaaattc 300
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<210> 12574
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-065-Q1-E1-G3
 <400> 12574

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 caccggtggt aagttctctc cgatcttagc tccctttaac tccggagata gccgccgctc 180
 tcgatatcta aaagatagcc ggaataaagt taggtttaat ccatcgctcg cgcgctctcac 240
 tctcatcgt gttcgcgtcg aagctccgtc tttaattccc tataatggtc tttgggcggc 300
 gcagccaaat tcgcataagg gacgtttaaa gaggaacatt gtttcgggaa aagaagctac 360
 cgggatatca ctttctcaag gacgtaattt ctgtcttact tgtaaaagga atcaagctgg 420
 aatcagaaga gcattaccta gtgcctttgt ggatagaact gcatttaa 468

<210> 12575
 <211> 391
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-065-Q1-E1-G5
 <400> 12575

agaagaagaa gatgaagaaa ccatcgaaaa agagcgaaat cgagttctgc acggtgtgcc 60
 ggtttcatca cgaccaaggc tcgcgccaca agtacttccc tcgccacaaa agttccctct 120
 cttccttact cgatcgattc agatcgaaga tagctgacgt cagattcttc ctgaagaacc 180

ctagcgttct acggccacaa gagcagtcgc aaaaccgtgt ttggtgtgtc ttctgcatg 240
aggacattgt tgagctcggt agctccttcg cctgttctaa ggctatcaat cacttcgcaa 300
gttccgatca tcttaagaat atcaagcaat ttctgtcgaa aaatggcccg gcaatggatt 360
gcatagacga gttccgaatt tcagaagctg a 391

<210> 12576
<211> 416
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-G6
<400> 12576

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tactcgctat cggcgttctc gctatgccgg aatctccacg gtggctcggt atgcaaggcc 120
gtctcgggtga tgccaagcgc gttctggaca aaacctctga ttccccacc gaagcaactc 180
tccgtctcga agacatcaaa cacgccgctg gtattcccgc cgattgccac gacgacgtcg 240
ttcaggtgtc gaggaggaac agtcatggag aaggagtttg gagagagctt ttaatccgac 300
caacaccagc cgtgcgtcgt gttatgatcg ccgcaatcgg aatccatttc ttccagcaag 360
cttccggtat cgacgcggtg gttctcttct caacgcgaat tttcaaaacc gccngg 416

<210> 12577
<211> 400
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-065-Q1-E1-D7
<400> 12577

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ggttgatatg aacagtcttg tgagaagaaa acaagttgat tctgttcac ttatcaaaaa 120
cgatggacct catcagcttg ccaagaaact atccgccgtt gatcttggtg ctattggagt 180
tgggacaaca attggagcag gagtgtatat tcttgtggga acggtagcta gagagcacac 240
aggacctgct cttgctgtat cattcttcat tgctggagta gctgctgctc tctctgcctg 300

ttgttatgct gagcttgctt ctcgttgctc atctgctggg agtgcttata attatgcgta 360
catttgctctt ggagaaggga ttgcttggtt ggtgggtggg 400

<210> 12578
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-065-Q1-E1-G7

<400> 12578

ggnnnngnng naatgtntcg ttgggnccgg nccggtaccg aaacaaaaa ttcgcggggtc 60
naccacgcgc tccgctttgt tttctttgct tcttctatct tcttcttctt tcttcttctc 120
gctttaatac tctttgattc ctctgttcgt ttgatganaa ttanatttta aatggcnaaa 180
gtttcgttta aggattctct gaaagctctt gaagctgata ttcaacacgc taacactgta 240
nctttagatt atcctcggga gaangatgga gcgcgtgttc aaatgaggct atcgtaact 300
ccanctgctc agtttttaen ttttcttgta caatggactg attgccatct tgctgggtaca 360
ctcgggtctgc tcagagttct gatttacatg acctatgcgg atgggaaaac cacaatgtcg 420
gtttatgaga ganaaacaag tattaagat ttctatgccg tgatatttcc gtcgttggtta 480
caactaga 488

<210> 12579
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-B12

<400> 12579

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cacactgcac cagatgtatt gagagctcta ttatctcatt taaccaaggc cattaccgag 120
tatgtggttt accaagttga gcacggagct cactgcatac aaatattcga ttcttggggt 180
ggccaactga ctccggagat gtgggagcgc tggtcctaac catacattga agagatcata 240
catgctgtaa agaaaagatg tccagatacg ccgatagttt tctacatcaa tggaaatggt 300

gggccttcct tgagcgaatg aaaaggaact ggagctgatg tttantggga cttgactgga 360
ctgtagatat ggctgatgga aggangcgat tggg 394

<210> 12580
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-B3

<400> 12580

aacgntcgta gccgtccaaa attcaanggt cgaccnacnc gtccgantcg tgancgtata 60
tagttggaca cttgacaaat ctgagcaatt tcctttttgc ttacagcggg aatatctgaa 120
ccaacgcnat gccgtcgacg cagtccttga ccgtcgcanc gaanacgcta cgaaatcgga 180
tcttctctag gtctggatct acatccgccg gtccgagtcg gtgggcgacg ccaaggtcac 240
gaggagcgac ctaanggggtt actttatgaa ccgtactcct ccggcaccaa ggacagtcgc 300
nnaaaatggg aagattggga gcttccttgt tacatcacca gcttccttac aattggtanc 360
ctcggcgttg gactcantgc caaacctgat cnttcaatcg agacttgggc tcatcagaaa 420
gctttaaagc gtccctgagat ggganaagct cccgaccgct gggaaaattc ntccnnaatt 480
aaancnng 488

<210> 12581
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-B4

<400> 12581

cctcaanggc ctctccccc tgaatttnac tccttggcaa tggtgaaacc ttggagttaa 60
aaciaagcaa agattttccc tactgggagt ancgatgaaa aagtttgta gcacaaagaa 120
atgtcaaagc aagaaagaat ctaaaaagag atcgccaagc attatagcga agattgatgg 180
gtctcgatgt ttgcttctt cagagttctt ctcataagca acaaaagtct atggagaatc 240
agcaaggcag gagtgggtgga ggcacttctt ataaatctct tgggaaagcg ctcaaagggt 300

gagcagaagt ttaaagatgt tttcgaagtt ttggatgcaa agatggcaga gagtaacaga 360
aacttatatc atcaggggaa ggtgaatgct aatctaacac aagcgggaga tngcantcat 420
acgg 424

<210> 12582
<211> 348
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-064-Q1-E1-B5
<400> 12582

tcccctaatc tggcactgat ttttgggtgt gaagatgggt tgcttgcatt tttagcgcgc 60
caccagatcc caggccttga tattgttgtt gatccatgtg ctgctattct tgtgtttgtt 120
gtaactggcc ttttgtgcat gggaataaag gagagcacat ttgctcaggg aattgttaact 180
gcagtcaatg tgtgtgtcct gttatttgtc atagtagctg gcagttatct cggcttcaag 240
acaggttggc ctggttatga acttccaaca gggttctttc cattcggagt agatggaatg 300
tttgcgtggt ctgctacagt cttttttgca ttcaatgggt tttgaatc 348

<210> 12583
<211> 389
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-B6
<400> 12583

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ccttcacgct tcaggaacaa agaccagtat ctctctgaaa gactacttct cggaaatttt 120
cgtctccatg gcacccgtga gggggattct tggcttgcaa agggcagtgt ccatttggaa 180
ggaaagtaac agactgactc cagctttgag atcattcagc actcaagctg catccacttc 240
caccactcca cagcctcttc cactctctcc gcctccggga aaagactcat ttcggtgggtc 300
ctcaagggat gaagatcgga tttttactaa atcctctaag gtctgcatga nccatttctc 360
aaaaggcgcg atgaaagaga ngtgattgg 389

<210> 12584
 <211> 288
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-064-Q1-E1-B7

 <400> 12584

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 gagagagaga tttaaggaag gaatcatggc aggggggtgga gctccagcac ccaaagcaga 120
 cgaaccacaa ccacatcctc ctaaaagatc aacttcccaa catttcntan tgcacacca 180
 gtcctcctcc ctgggcctgg aagctaatac tccttnggat ttccaaanat ttaccttggt 240
 aatggcttgg gnanancggn gctaatacna tacngctctt gttcccaa 288

<210> 12585
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-064-Q1-E1-B9

 <400> 12585

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 gttttttttt ttttttagcc aacaagcttt gatatgactt tataactggc atcgagcac 120
 cttatcgagt aatgcagttc atatttacac ctttctttta cacaaaacca atcccactcc 180
 ctttctcadc atccanacaa agtagccggt aaagcaaaaa agctcttana cacaaagaan 240
 gcaagaattg tcccaaaaga naactctcat acatcacttt gctgtntctt tcttancttc 300
 gggattcgtc cagactacnt gctccagaga attagngaag cttctataga acngtgaaat 360
 cgagagtggg ccccttccga ctcgatactt gaaccatatg aaagacttgg cgctacttgg 420
 aatacctcng gtcgctaaat tgagaattcc ctttctcca agcctt 466

<210> 12586
 <211> 103
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

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ccanaatcgg natcaacnct cggacgaact nggattccga ttcaaacaat nctccccgtt 420
ttacccancc agnga 435

<210> 12589
<211> 371
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-C12
<400> 12589

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atggtaacta caacaataga tcttcttctc atcaatccgc agaagaagta aaacctggct 120
ctgaaaacat agaaagctcc aatctttatg ggattgaaac tgacaatcaa nacgggcaga 180
acaagacatc tgatgtcact acaagcacca ggtcttgaaa ccgtggatca tcaanaggaa 240
gaanaagagc anngacncgg tgattcnatg gctgggtggtg cgcctgcaga ngatggntat 300
aactggagga aatacggggc aanagttggt canaggaaat gagtatcccg cnaagctatt 360
acnangtgca c 371

<210> 12590
<211> 420
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-C2
<400> 12590

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tggttatgga atccaaatgt ctcatgttcg tttccattgt atctgtcttc ttcattggtt 120
ttaatggcgt atcagagacc gaaactctct tgaaattcaa gaattctctt gttattggga 180
gagcaaagtc tttggagagc tggaataaga aggaatcttc catgcaaag gactgggtgtc 240
ttgtgtgata gaggctttgt ttgggggtta cgactagaga atcttgagct ctctggctct 300
atcgacatcg aggcgttgat gggtttgaat tctctaaggt ctcttagttt cataaacaac 360

aaatttaaag gtccatttcc agagttcaaa gaaaacttgt tgctttgaaa tcacnttact 420

<210> 12591
<211> 536
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-C4

<400> 12591

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ccgaattgaa aaccaaagg ccgattaaaa aaagtttgca gttaattggg tgggcgggtc 120
ctgatggggt tcaagggcat cncacgggc tcctacttcc taaagcaata ataaagagtt 180
gtgcctcaaa agaaaataaa actcaagaat tcccttaatg aaaggggaaa taaaaatcca 240
gtttgaaang caaattattg aaaaagcttg gtatctaagg gggaaactga cacaagataa 300
agcaggaaag gccctctctt tgttcaaggg gagtacttga ttacacagaa ttcaatgatg 360
tggacatggt cataagaggc agtgattgaa aacattcaat tgaaacaaaa catattcaaa 420
gaaatcgaaa aggtttgttc accccactgc attttggcga ataatacatc tactaatcga 480
cctcgaatgt taattgggtga aaaagactaa ctcaaaagat cgcattgntt ggcccc 536

<210> 12592
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-C7

<400> 12592

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agatgggtctt gtttaatata tatgatgatt ggttgaagag tatttcttct tatactgcct 120
tttcaagact tattttgatc ctctgtgcgc ttcacgtgaa taatgagaag gctaagatgt 180
tgttgaagcc tgacaagtcc gttgtcactg agccacatca catctggccc tctctcactg 240
atgatcaatg gatgaagggt gaggtagcac ttanagatct tattctttct gactacgcaa 300
agaaaaacaa tgtgaatacc tcagctctga cacaatcang ngatccgaga tattaatctt 360

gggagctgag attactccac cctctcaana agagggaana aggt

404

<210> 12593
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-D1

<400> 12593

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accgtcaagg aagctgtcac gcccatcact cctangacgc tttcaacaaa ctttgtgttg 180
ggcagaactg gtgttctgta actgtagcac cggagatggt tgggtggagat ccgtgtccaa 240
atgtgatgaa gaaactcncg gtggaagccg tttgtgctta aatgaaagca gacgcaacag 300
caatcaaaag actgtaaagg tggttactta cgcattctta caggtttcng atggtattaa 360
gtatgtttta ngaagacaac agaaagaagt tggtactttt ccaagctcct tattttatca 420
ccggngggaa attgtncan aggggacgcc agcaangccg ttcaacaaan ttgcnnaatt 480
ttggnttg 488

<210> 12594
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-064-Q1-E1-B11

<400> 12594

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tggtaggggt tattggggga agaagttaga taaagagatg gaagatgcgg cggttggtga 180
cggtggtgga tctaacggtg ttgttgtgat ctttgtttgg agctcgatta acnagaacca 240
gcttatnaat ttcgttgatc ttattcttc tcntggntgg aattcctctt tgtttgccnc 300
cgcagaattt tencaccggc ggtttaacnt gaaaatggnc ctttcttan cattccaanc 360

ttccttcnga acttggtnga ggagttaaac nagtagacca ngtcccgtta aactttcnag 420
ctttctctgg tgcncccaaa agccttggtta nggta 455

<210> 12595
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-H11

<400> 12595

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acagtgatgt tccacgtcga aaaaatgatg ccgatgatcg gtttcgtgtg ggaagaaatt 120
ttttgaagaa ggcaaagcat ggtgatggaa tcatcgctcg tgttctcgac agtgggtgtgt 180
ggccagaatc aaagagtttc aatgacaaaag gaatgggacc aagttccaaa atcatggaaa 240
ggaatctgcc aaaccggagt tgcctttaac tcttctcact gtaaccggaa aattattgga 300
gcgaggtatt acgtgaaagg gtacgaaaag atattacnga gcgttcaacg ctacagcaaa 360
caaagacttc ttgtctccaa gagatnccga cggacatggg gtccacaca gtttctactg 420

<210> 12596
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-H12

<400> 12596

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atatcactga attgattggt aacacaccaa tgggtgtatct gaacaatgtt gttgatgggt 120
gcgtggctcg tatcgctgcg aagcttgaga tgatggagcc ttgttctagc gtcaaagaca 180
gaatcgcgta tagtatgac aaagatgcag aagacaaagg attgattact cccggaaagg 240
ttaatatgaa catttaaagt taccataaaa gtttctccat aatttataaa gaatacatag 300
atgngaattt aattgttttt gattanagag tacattggat agagccaact gctggtaaca 360
ccggggattg gtttancttg catggggang ctgcnanang ctataaantg gattcntgng 420

<210> 12597
 <211> 309
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-H2

 <400> 12597

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 aaagcggctg cggctgcggc tgctgcttct ggatctaaca acgcctgatt gaagaaatca 120
 cactccgata tcaaattcaa tggagatcac agttttgaaa ttcatttgat ggtaataaag 180
 attctataga agacagaaaa cattatgtaa acagttgttt tttttttgtc aaacattttt 240
 gttgtcagtt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaaaaa aaaaaaangg 300
 anaannnnc 309

<210> 12598
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-H4

 <400> 12598

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 tggaatctcg aaacgacgag gaggcgccgt tgatctctgc ctctggtgag gatcggaaaag 180
 tcagagctgg aaagtgtac acaagggatg ttcatacct cagcatctcc tttctgctaa 240
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 caatctctct ggggataatg tatgtgtccc tcangttttg ctccaatggg tgcntccttt 360
 ggntgtcccg gntaatggga ttaagaaat gccccggntt taagaacnaa cggggtaa 420
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<210> 12599

<211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-H5

 <400> 12599

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 tcagtatagc cccgatgatg ggatggacag acaatcatta cagaactcta gcgcgtctta 180
 gaacaaaaca cgcattggctc tacactgaaa tgtttagctgc tgaaaccatt gtctatcaag 240
 aagataacct ggacagcttt ttggcattct ctccagacca acatcccatc gttcttcaaa 300
 ttggtggaat gaaacttggg aaaatttggc taaagcaacc angacttgct aatgcttacg 360
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<210> 12600
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-H7

 <400> 12600

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 aactacgtgc gttttacgan aagagaatct ctcaagaagt cagtggagat gctttgggcg 120
 aggagttcaa aggatacgtt ttcaagatca agggtggttg cgataagcaa ggtttcccaa 180
 tgaagcaggg agttttgact ccaggccgtg ttcgcctttt gcttcaccga ggaactcctt 240
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 ttgtgagccc tgatctctct gttcngaacc ttgtcattgt gaagaanggt gngaacgac 360
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<210> 12601
 <211> 65
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-H8

<400> 12601

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 attgc 65

<210> 12602
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-H9

<400> 12602

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 agcagatctc tgcactcaaa actcctggat cttcatttct gggcttcaat ttagagtttt 180
 tttatattaa atgggttgga gatacaaagc tggctctgtc ttgattggca ctggtgttat 240
 catatgggtc acctccgctg aagttactca ggatatcttt acaagcctat aagcaagcca 300
 ttgcaagtc acatatcttg gagcttctct taatgattgt ttaccttccc gttgcattcc 360
 tcaaaagact ggctttgtcg atatttagat tgacgctcct tccaaaatcc aaanaaaatt 420
 ccg 423

<210> 12603
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-064-Q1-E1-A1

<400> 12603

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 gtatgatgct cgtgagagtg atcttgagcg gcttttcaga aagtacggca aggttgagag 180
 gggtgatatg aaagctgggt ttgcttttgt ctatatggaa catgaaaggg atgctgaaga 240

tgcaattcga gcgcttgatc gntttgaata tggtcgcaca ngacgcanac tcccgtgttg 300
 antggacaan agaatgancg tggangtgcc ggnnanatca ggtgggtccn aggagattat 360
 cttctggcctt tgagaacctt cccaannacc cngttngtgg attaancntt cganggcacn 420
 aaaanactna gg 432

<210> 12604
 <211> 497
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-064-Q1-E1-A10
 <400> 12604

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 gtctgctcag ccggtacttg aaggagaagg gaagtttttg gaatattaat atgggggttg 180
 ctcgaaaatc cgatcttgaa ctgcgcggaa aattcgatct caaaggacaa caaatgtga 240
 ttaagaaggt agagacctca gaaactanac cgttcaagtt gattcagaag ttttctattg 300
 gtgaggcctc tactttctacc gaagacaaaag ccatatatat tgatctcagt gaaccgggca 360
 aaaagtagca ccgggagtct gggaaattca caagttgacc atattccttt ggagggnaaa 420
 agttnanggg ctttcaaccn agtttccttg aanacaatng ctaacggaga ttactggaac 480
 gtnccnaat naagcc 497

<210> 12605
 <211> 479
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-064-Q1-E1-A12
 <400> 12605

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 gcatctctaa ggtaaaaaaa ctgagtcgag atttggtgac gtgatgaatc atttggtgat 120
 aatctctgtg ttcttgagct cagtattgtt gttatataga ggagaatctg gaatcacaag 180

tagtttttatt cgatctgaat ggcctgcggt tgatatacca cttgatcatc atgttttcaa 240
 agtcccaaaa ggatataatg caccacaaca agtacacata actcaagggtg attatgatgg 300
 taaagctggt atcatctctt gggttacacc tgatgaacct ggttctagcc aagtacatta 360
 cgggtgcgggt catgggaaat atgantttgt tgcttcaagg gacttaccat aactacacgt 420
 tttaacaagta taagtctggc tttaatcatc actgccttgt ctctgaacct tgagcaang 479

<210> 12606
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-064-Q1-E1-A2
 <400> 12606

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 gaattagaac ttatcgcaat agccacaggc ggtagaattg ttccaagatt ccaggaagtt 180
 gaccccagag aagttaggga aggctggcgt ggttcgtgag aaatcttttg gcacaacaaa 240
 agaaccaatg ctgtatatattg agcactgtgc gaactcaaaa gctgtcactg ttttcatccg 300
 tggaggtaac aaaatgatga tanaaagaga cgaaacgtag tatccacgat gctctgtgtg 360
 tggctaggaa tctcatccgc aaacaaatca attgtttaan ggangtgggg caanctgaaa 420
 tcnccttgcc cacntt 436

<210> 12607
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-064-Q1-E1-A6
 <400> 12607

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 ttaagtaaac atttttccgg cagacagaca agcttttctt cagtgattag gacatctaag 180

gttaatgtag tgaaggcttc tttggatggg aagaagaanc aagaaggaag aagagatttt 240
 ctcaaaatcn tgtaggaaa tgctgggggc gggttggttg caagtgggaa agcaaagct 300
 gatgaacagg gtgtttcttc gtcgacgatg tcgtantcta nggtttctag agtattgnt 360
 caggataggg gtgaataaaa gttgatttgt ntcataatg gggactatag ctanngtggg 420
 aatgc 425

<210> 12608
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-064-Q1-E1-A7
 <400> 12608

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 atgcctcaa agccactcgc tatgtacagg gatgtgatct gctcgaaggc gagtggggcg 180
 aanttgaag cataactcttg tggaaattaa ctgttgatgg agagccaaaa gtgtcaaagg 240
 atatgattga ggcgattgat atgaagatga atatgatcca ntggagggtg ttaaagggac 300
 ctctgaagga agagtacaat attttctcga aaacgatgaa agtaagccct aagcaaggaa 360
 ggtcctggaa attgtgggta aantggnact tngaanttat ganganaant nattgaaaaa 420
 ggnggcacca cc 432

<210> 12609
 <211> 235
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-064-Q1-E1-A8
 <400> 12609

acaaaatcan anacgaggcc atcatctgtg attgaggctt anaggacact acgtnatcna 60
 ggtccttacc ctgtggacaa agttgttagg agatttccat ggnacagttt gcgtttatac 120
 tcttcogatan acgtcaagaa aactgtcttt gctgctgctg acgccaatgg ggaagtgtgc 180

cgttcttctg gggaaccgat gctgaatggn accttgttgt ttctcngata anacc 235

<210> 12610
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-064-Q1-E1-B10
 <400> 12610

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 attcttcttc gaggaacta ggctcttact tgattcaatc tcaattccag tgcgccggaa 180
 actctagtgc gcttttcttg actgctgcag ctcaaaattt gctgtgtctc aagtttagcan 240
 aggagcttgg agtagtgatc tcaaaccctg gggtttcttg gtttaaggct gctantctac 300
 ctgcaatcat atcaattctt tgtactccac ttatcctcna taangcttta tctccagaa 360
 acaaanggan acnacctgag ggctccaggt tanttgctgc aacnnaaact caagcaaat 420
 ggggccctg tcaactaaaa aaccaaattg attnatggtc gggtaaaatt gccntccttg 480
 nctgtcactc ctttggggg 499

<210> 12611
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-H10
 <400> 12611

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 aataggaact aaatctcttt ctctgggttca tcaatggcgg atcaaacgaa gaagagatac 120
 gttacaagcg aggatttgaa aaaacacaac aaacctggag atttatggat ttcgattcaa 180
 ggtaaagttt acgacgtttc cgattgggtt aaatctcatc ccggaggcga agcagcgatt 240
 ctcaatctcg ccggccaaga cgtcaccgac gcgttcatcg cttaccatcc cggaaccgca 300
 tggcaccact tagaaaagct tcacaatggc tatcacgtga gagaccacca cgttgtcaga 360

cgtctcacgg tgactaccgt cgtttagcgg ccgaattct ccaaacgagg nctntcgac 420
aaaaa 425

<210> 12612
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-E10

<400> 12612

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ttcnataggc tcgtacctct gtttccttga tttctaagga gacaggccct taaccctggt 120
tgatgaacca tggccgtgag atcagagcgt gattgacggc tacgatcgtc ttaggacgca 180
tctggtgctg tagaggatcg ttaactcggt cggttctacc ttgccggggg ggttgacagg 240
cggctctgaca ggttccattt tttttcactc cttatattgt cttgtgggat gttttgagat 300
gaccaccaa tttgatattc gagcagcatt tttaaaattt tacagtaatg tgggtatttc 360
gtcccaagtc aaccacttta tatgtacaac tctacattcc ctctacgaag ataagtgcac 420
cccaataatg agcagactat gagaagctag cagaagatan tcntcntttt ttggg 475

<210> 12613
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-E12

<400> 12613

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ctcttctctt tacaaaggaa gcttcttctc tgtttcgaca aagaccagga ggaacacttg 120
taaagccaaa tcatggaatc tcggtcttgt tatcaactct agaagctctg aggttctcgt 180
ttttgatccg ttgggggatca atccagatga aacttctggt ttaagtagca tttgggaaag 240
ctttgtgagt cttttgtcac cancatttga aagctcttct ggtaacaggc gagataagcc 300
gtcttctggt agaggcgtgg cantgctant gaggacagtt ccattgattt tggnganttc 360

ttcaaagggg ncatttgcca anggaagttt ctgaaagctt cctgggggttt tttancntct 420
ctg 423

<210> 12614
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-E3

<400> 12614

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gtttactcgc agatcaaagg gacagagaac gtgtctgggc cacctactan gatggataac 180
agttctgatg aagagtcaga gatcagtgag tctgagatag atgtctatta tgaaaaacct 240
tacgagaaac tgatgaatgg ggattacaag gttaaggatga aggacacatt caggtgtccc 300
ttttgcgctg ggaagaagaa gcagcattac aagtataagg agctacttgc tcatgcgtct 360
ggtgttgcca aaggatctgc naatagaant gctaagcaaa aagcaaadc 409

<210> 12615
<211> 232
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-E7

<400> 12615

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ccctaaaaat ctgagtctcg cattaagtcc aaacactttc atttgtctcc tttcgtcaac 120
tccacaagaa gatctcctca tggctccaat tgctgtcggc gatgtcgtac cagacggaac 180
tatctccttn ctnnnagnga aagggttaaatt ttnaaacggc tncnttnaat cc 232

<210> 12616
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-E8

 <400> 12616

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 aacccaaaat cacaaaaacc aaaaaaatat ataataatgg gtggctgtgc gagtagaccc 120
 aaggaatcag acatgcaaaa cgaagaaggc tctgttccta acaagcctgt ctctgaaaac 180
 gtagtagcca aggagaacaa cacagaaagc ggtgagaaac agaaccagac agtggctgag 240
 accactgaaa caacttctgt cgaagctaag gagacatttc cggtcgagcc gaccaaggaa 300
 acaactcctg ctgttcancc agaggttgca gccgtcgaag agtcttcttc tgctgatgct 360
 ggtgaggctg cagtagttgc acctgagaaa gtggaagaac gctgcaacac gaaaa 415

<210> 12617
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-F1

 <400> 12617

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 tgcttttcac tctaattcgt aaaccacttg tgggatttga gcatctttta cattctccaa 180
 aatctctgct ttctaggggt ttgtgagttt tgggtgggatg agtagtgtgt tcagtgatca 240
 gatcctgatt gataagctcg ctaagctcaa tagcangtca acagtctatc gaaactctgt 300
 cacattggtg tatattcaat cgggagcaaa gcagaattga tcgttacgac atgggagaaa 360
 cagtttcaca ntacagagat ggatnagaaa agtccctcct ttggtatttt ggncnaa 417

<210> 12618
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-F3

<400> 12618

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aggtgatgat attgttggga caagagattg gtaaagtgtc gtcgactcta tacaaagttg 180

gggacttggga cgcttggggc atcccaattg atgctaaagt ctattccaaa tggcccaaatt 240

ctcactcttt caagatcggg gactccctct tgttcttgta cccaccaagc gaagactcac 300

tgattcaagt gacgccctcc aatttcaaga gctgcaacac caaagacca atcttgtaca 360

tgaacgacgg caactctctc ttcaacctca cccaaaacgg aaccctatac ttcacaagt 420

caaaccccg g cactgtacc aagtaccana agctcctaan tctccgttcg gaactantcc 480

gccgaaa 487

<210> 12619

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-063-Q1-E1-F4

<400> 12619

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cgaacaatgg gcgtcctaatt ggtcaaccaa tcgccctaac tttccccggg cgctaaaatc 120

tccgggcggtt cttctctgat tcgtccgcct tcttcggttc gatttctct taagtgtaac 180

gcggcggtat cgtacaagtt cgacggcgga aactctgccg gtttccatct gcttactggc 240

gacaccgttc cggctagctt ttcgaggaca cgtttggaag attcgattta tcaagaacac 300

cacacgactt cgtatctttt ccggcactgc taatcctatt ttggggtcag gagatttctt 360

gctatttggg tctgggacct tgggaaaatc aagattaaac tctttgctga tgggtgag 418

<210> 12620

<211> 414

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-063-Q1-E1-F7

<400> 12620

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actcccagaa cattagcttc caagctggcc aggccaaggc ccaaactcag gagaaggcta 120

gcaccatgat ggacaaggct agcaatgctg cccaatctgc caaggagtct ctcaaagaga 180

ccggccagca gattaaggag aaggcacaag gagctaccga atcagtgaag aacgccaccg 240

gcatgaacaa atgaatacaa taatcatatg attcattatg ttatTTTTTT tacgaataaa 300

aacaataant cattTTTTTga aaccctaaag attaggttca acngtttgat tattcagact 360

ggttgTTTTct ttctttctta atantattac ttctccccct gggatttttg ttct 414

<210> 12621

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-063-Q1-E1-G10

<400> 12621

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gaatagagtg aaagttagat actgtgacgg ggcattcattc acaggagatg tagaagcagt 120

gaacctgct actaatcttc acttcagagg tgctcgagtt tggttagccg ttatgcaaga 180

gctgctagct aaaggcatga taaacgccga gaatgctggt ttgtctggct gttctgctgg 240

cgggttagct tcgctgatgc attgtgatag tttccgtgct ctattaccga tgggaaccaa 300

agtaaaatgt ctttcagatg ctggtttttt tctcaacaca agagacgtct caggaagtgc 360

antacattaa ngacatactt cgaaagatgt tgttactctt catgggatca acaaagaa 418

<210> 12622

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-063-Q1-E1-G11

<400> 12622

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ctggagaaat aaaaaaatta ggtatttaat aattcatcat tgccattgga ttgtgtgtgg 120
ctgcgtcagt aaaacgtatt cttaaaagca accattgggtg tgattgactc tatangagaa 180
ttcgtcagcg tgaagcaatc tccaatctaa tcgcagcata gcttctccga ntectantcg 240
tctctgcaat tgaatcttcc ggtaggcgaa natggcgacg tntgcgagga tttgttgagg 300
gacgaggaaa tgcattgcgc gttcgtttgtg atcctcncac gtnaaanttg aantcgcga 360
tcgtnatgtg ttgttccagt tgaccaaate nacggaatat gtgtgngat 409

<210> 12623
<211> 85
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-G2
<400> 12623

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agacatgttc acatcatccg gtgtc 85

<210> 12624
<211> 490
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-G3
<400> 12624

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acgcgtccgn tcacacaaaa atggcggtctc ttcttgggaa catcttcttc tgcaatctgg 120
ggcttctcct tcaactctctt ctcttctctc aaaaccttcc tcttccccca tttgcttcag 180
gccaggaaaa ttgtttggaa gcaagttaaa tgcaggaatc caaataaggc caaagaagaa 240
caggctctcg taccatgttt cggttatgaa tgtagccact gaaatcaact ctactgaaca 300
agtagtaggg aagtttgatt caaagaagag tgcgagaccg gtttatccat ttgcagctat 360
agtagggcaa gatgagatga agttatgtct tttgttgaat gttattgatc caaagattgg 420
tggtgttatg attatgggag atagaggaac tgggaaaatc tacaactgtt aagatnatta 480

attgatctgt

490

<210> 12625
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-G4

<400> 12625

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ggangaaacc aagancccca agtcacaact aagagatact gctgaagctg ttcaagcagc 120
angagagtta cttgttcgat ttaaagaagc tgaagaagga ttgacatttg cacanaaacg 180
agcaatggat gcagagtatg aagcatcaga agcatataaa aagggtggaca agttgaagag 240
gaaatacgaa accgaaatca gcaactgtaaa ccaacaacat aatgcagagc cacaaaatcc 300
catagaatct ttgcaagctt cttgtaatga cgatgctatg gccaaatatg atgaaccatc 360
agctagtgat ggtgataacc aatggagaga agaattccaa ccattttaca agaaa 415

<210> 12626
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-063-Q1-E1-G6

<400> 12626

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atctcagatc ccgatcccggt ctccttatct tccgccggcg acttcttcat tttctcttc 120
tacctaccac ctcttaataca ttctctctcc ccccgagat ctagcgaatc gaattcgaat 180
ccttaagtag tagtggaatc atgnggctaa gcatgcgaaa agcgatcgga gttgttaagg 240
atcagactaa gtatcggcgt agcgaaggta gctagcaaca tggctcccag atctgggaag 300
ttgcgatcgt gaaagctaca angccaacga cgaagattaa ntctantgac aagttatatc 360
cggcgaagat tccntaagct aaacttnact ctccggtggc tacgtttnac gccngtgg 418

<210> 12627

<211> 273
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-E1

 <400> 12627

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 tcaaaccagc catgtgtgan acagcttaac anaagaaaga gtcttgtgtg cagagtgatg 120
 aagctgggtct cttcacctct taggacttgt gccatgggtgc tggtaaactct atccgagttt 180
 caaagttctn gcaagtgtcc tccaatgtct cctcantgca aattgaactg gggtgccttt 240
 gccttaagga taactatgct tatatccttg cnt 273

<210> 12628
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-063-Q1-E1-H1

 <400> 12628

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 tttccagaag tgtccctgct cctcaggcaa ttaagattct cgaagatgag gtgcaatgtg 120
 atatcatcaa gatcggtaac ttggttacaa ataaggaaag atttgttaaa agaaggcagc 180
 ggcttgtggg tctaattct tctaccttga aggcgctgga aatattaacc aactgttaca 240
 ttctagttca gggaagtact gtagccgcta tgggtccatt taaaggtctc aaanagctca 300
 naaggattgt ggaagactgc gtacagaata taatgcatcc tgtataccan ataaagactc 360
 tcatgatgaa aaaagaactg gngaaaggat ncaactcctg gaaatgag 408

<210> 12629
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-B2

 <400> 12629

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cacagtaaag ctcagcgagt aagattgtct ttgctctttt tgagaaaatc tcatgttggt 120
actatgatat aacgttgcag aagcatgaag acatacatca gttttttcct tttttcttga 180
gcgaaactag gaaggacaaa atacatttaa atgatcttat aaggcacttt actccattta 240
tacctttttg tactctcggt tccctttcag ttttgaatat aatgactttg atgttttttt 300
gctgtgcata acaggaaata tttgaaaaca acaggaaaga cataactgtg gccatgatga 360
anaattatcc acagcttcta cgttaaattc atggctgaca aagcaaaagt gtcacctttt 420
ggtcg 425

<210> 12630
<211> 322
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-B6
<400> 12630

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gtttttctgt gtgttttggtg attcatttcg ctgattgata tcaattctct ctgtttggtg 120
tcccttctct tcaatttcac ctgacttttg tttttgtttt ggataaagtt ttcacctttg 180
tgtcttctct ctgctctctt gtgtgatcta tctgaaaaag ggctgatttt tttttggtgg 240
gttncnaaat nagggttngt gtaagttnat ngccttncnn atccaatgaa antnaanant 300
natanaggat cgtaaantg at 322

<210> 12631
<211> 413
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-B7
<400> 12631

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tccctgctttg ctttacctac aagactcttg atttcttctt cgagtccgag tggaaaccct 180
gctactgctg tccgccgccc gaggccaaac caatctcggc tggagggaac agaggcggtg 240
agatgatagt gtcggaaaga tcaggagact actcgaaggt ggtctcactc acaaggacaa 300
agatctatct ggatgagatc tccgacacac tctactctcg ccttctactc ctcaccaagc 360
tcactaagct ggtgaagttg cttcaaagaa agatgttggtt aaatngctgt tga 413

<210> 12632
<211> 440
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-B9
<400> 12632

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gttaatgctt caagatctcg aagagttctg ttggcgatg ttcacatcc tttagctgct 120
aataagggtt catctattga agagttaaag caaggctctt gttgtacaaa gactgtcact 180
tttgtagtt ctgggagatg ttctacattg tgctttgttg gaaagtctca agacactgaa 240
actaattccc aagttgtaca aaaagaaggt gagaagcaag tgatgccgag gaggaaaagt 300
agtaactcaa gccaaactttt ggtggaatat gtgtctaag atgctaagtt tgtgaatgaa 360
aagagctcgt aatgactttg ttcctctanc tcgtggnaat tatgagacnt gaagccncgt 420
gcaccacaaa ggatgttncc 440

<210> 12633
<211> 445
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-C10
<400> 12633

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gcttcttgcg aaaccaattc tctatgtcag gtaatcaaga accaatcttg gtgaaagaag 120
agagtgtggt tggtatacca acaccactct tgaagcttaa aagttggcaa tgggtgggttc 180

gattgtggat tagagagaag aaagatgaga tttgtaagga acttcaagca gcttttaggta 240
 cagctaaatg gcagttggag gagtttgaga aggcagttag attgagtcac aaacgggtgtg 300
 gggataatga ttcttcatcc acacggcata aacagtttgt taccgctatt gaaaaccaa 360
 ttcatccgcg tagaaaacttc tccgcaaana a 391

<210> 12636
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-C6
 <400> 12636

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 agtctgcttc tgggggttaa cctctcaggt tgatggaaag gagtgtcttc agtgaccgaa 120
 tgggtgtttgt gcgtgcggtt catgaagcga aatggatgaa tgagatggag atcagcattt 180
 acgactcttg gtttgatccg gttgtctctt ctttacctgg acttgttcct gatgggttta 240
 tataacttaag ggcgagtcca gacacttgcc acaagcgaat gatgctcagg aaacgagcag 300
 aagaaggcgg agtctctctg aaatacctcc aagatttgca cgaagaagca cgagagctgg 360
 ctgcttccct ttgagagcgg aaaccatggt gtattgtcng ttantaag 408

<210> 12637
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-D10
 <400> 12637

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 ctctaaataa cactgacttc agaggtaaaa ggataaaatg ttcgactacc caagcaaagc 120
 atcgtctctt tcttggtaat gtccttagaa attggatgga gtcagacatt aagaaagcag 180
 caaatagaat tgggtccaggc gttcaaattg tcgaactccc aaaggaacca caaaatatgg 240
 gccggaatcg tggatttgct ttcacagagt attacaacca tgcattgtgct gaatactcga 300

aacaaaaaat gtcaaatccg agttttaagc ttgatgataa tgccccaact gtaagctggg 360
 ctgaatcaag gagttganga agaggagaat cctccggctt ccaagggtcaa ngnantgttc 420
 aac 423

<210> 12638
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-D11
 <400> 12638

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 gcgtggctaa ctgaccatct aactaataga ttttcctctt tggcttcacc agatgatcta 120
 ttaaatttct ttaatgacat gcgaggaata cttgggagcc ttgattcagg agtcgtgcaa 180
 gatgatcaga ttattttggg tcccaacagc aacttgggaa tgtttggtcg tcgttgcatt 240
 ttggcattca accttttata gttcgagggg gtttgtcatc ttttttcaag tattgaagat 300
 tactgcaaag aagcccatct aagctttgct cagtttggtg cacctaataa taatccggag 360
 gtcattaata caatatgac agatggatat ggnggaatta tgcaatgggt aaaccaactg 420
 aaagaaatan agtttcang 439

<210> 12639
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-D12
 <400> 12639

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 agttttatct gatctgaatg gcctgcgggt gatataccac ttgatcatca tgttttcaaa 180
 gtcccaaaag gatataatgc accacaacaa gtacacataa ctcaagggtg ttatgatggt 240
 aaagctgtta tcctctcttg ggttacacct gatgaacctg gttctagcca agtacattac 300

ggtgcggttc angggaaata tgagtttggt gctcaaggga cttaccataa ctacacgttt 360
tacaagtata agtctggctt tattcatcac tgccttgccc cgacntgag catggtacaa 420
aataactaatn ccaggnttg 439

<210> 12640
<211> 392
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-D2
<400> 12640

aacagatccg aattttatct ttaatcagcc ggaaaaaatg gagaaagcga tcgagagaca 60
acgcgttctt cttgagcatt tccgaccttc ttcttcttct tcgcacaatt acgaggcttc 120
tctatctgct tctgcttgct tggtggtgga cagtgtctga tatcanagga actctctcta 180
aggagatgaa gttgtcattg tccngnaca tangactcca atatgcaaag tccaaacgtg 240
gnaatttcaa ggntacatat cccgaatgat ttgctcgcaa ccggtttgaa ggcaattgat 300
nnanaaagac gaatncaaaa nccaagtga ntaagngaca ntggtgnggg taacgttttg 360
gnnacctggg antccaanaa nccanttaa at 392

<210> 12641
<211> 421
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-D4
<400> 12641

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tccgctcaa tccgatctc atcgctgca ccttactgga aactgtagcc atcgatctcg 120
acatagtcgc cgatactcgt ttcactgttc tcaacgcagc tgatctctcc gtcaacgatg 180
cctccgtttc cttactcct cttctctct ctaaggcgtg tgcagctcca aaagttgtct 240
tgtttgagga ggatgagatt ctctgtcttg agtttggtga gattcttccc catggagtgg 300
gagttctgaa acttggtttc aatggagtac taaatgacaa aatgaaggga ttctacagaa 360

gtacttaatg aacataacgg tgaagaaaga aagaataatg ggcagttacc aantttgnaa 420

c 421

<210> 12642
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-D7

<400> 12642

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tcaccatgtc tccgccacaa cccaaccttc aatcgcgctc gctcttttcc aatcccgttt 120
cttttccact ccatctgacc tagattctga gctaactcga ttcagagacg attcaatcgc 180
tggcggttga agcaatgac atggcctaga gttcgacgat tcaatcgcta gcttggaag 240
caatggatcat ggcttagagt tcggcgattc aatcggtagc ttgggaagca atggttatgg 300
attagagttc ggtgacttga gccaggattt gtcaaactat gattacttga ctcaacctgt 360
gatctcggtt cttgattcat accatgacat cactggattg ccttggtggg tnggttaa 418

<210> 12643
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-D9

<400> 12643

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gtctctgatt tgtttgaatc gatcatcgtt ccttctctctg gattttccat cgatatttga 120
tttttctagg gtttgttct aaattgcac gatggctttt tatgttcacg cgatttactt 180
ttccctctgt tattctagat tgttggtcga tgatttgatc gttcagggat ggatttgatg 240
gatcttatgt tttcacgggg cttctctatg ctgctacgct ttcagggggt gttcttcttc 300
cttacgcgct tctgantttt gttttctnct ctacgtttct taatcgtctc gtctcgcagt 360
ttttttggaa gctaattatg atccgatnat cgttttcgaa tcngttggtt ggtagantgt 420

ggaagaagnc aana

434

<210> 12644
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-B12

<400> 12644

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gagtacttga acgcaaggcc gaaatatcct acaatatggt acaaagtgtt ggctgggtcga 120
accagcaacc ataaggtggc ttgggatgtt gggaccggca acggtcaggc tgctattggg 180
gtcgtgagt actaccagaa agtgggtggca actgatataa atgaatcaca actccaacgt 240
gcaatgaagc acccaaaagt cacttactat cacactccat catcaatgtc cgacgacgat 300
ctantgactc tactcgggtg ngaaaactcc atagatatca taatagccgc tcaagctctt 360
cactacttcg acctaaagag attctacccc atantgaaac ntgttcttcg nnaacaangg 420
ngtatcaccn tanttttggg 439

<210> 12645
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-H2

<400> 12645

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gtacgacgca agttacagat tcatcgaatc atcaaaccag agcttcttca catcaccatt 120
ccagctcttg ttttacaaca ctacccttag cgctacatc ttagctctcc gagtcggact 180
caggcgtgac gagtctacca tgcgttggat atgggacgcg aatcgcaaca accccgtcgg 240
agaaaacgct acactctcac tcggccgtaa cggcaacctc gtctctgctg aagctgacgg 300
acgagtcaaa tggcagacta acacagctaa caaaggcgct accggattcc aaatcttacc 360
caacggaaac atcgtcttac acgacaaaaa cggcaaattc gtatggcaag agtttcgac 420

acccacaccg

430

<210> 12646
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-H4

<400> 12646

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tctcgaacct tcctcttcgt ttgcatcagg aaagagcgag aatggcgagg ggaggaaact 120
ttattgcgag agtgatctca tacgttgcca acgagttcat agttaatggt ttggcaaaca 180
gccatgcttt ccagagatgt gctgtgagga cttcaaagag aatagaaaac ctctctaaaa 240
tggctgcaga gaacagggag aaagtcgctc agcaaagga agaatttggc aagaacattg 300
actccacgaa gaaacctga tcattcctag tgtggaatcc taaaacctca gtaaatcaca 360
tgggtcagct caagtaggga agtcggttta tctttgtata aagaatgtta aaaagtaata 420
agcttgtgga 430

<210> 12647
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-H6

<400> 12647

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gctcaagcct attctccttt ctctgacct aaatctggaa ttggaagcag caacagtttt 120
aacaaaagcc gcaacaacca aacgcagcag caacccttct ctcggttggg aggatcgaca 180
acaacaggaa gacagattaa tgggtactga gtcacgttc gtttgttctc tcgaattggt 240
tttagtcccg attaatgga tcttaataac acatcttatg tggtttggga tcgttattgg 300
agatttgaat gtgatatggt cccttanaaa annanangnn nnnnnnnnnn aaaaaaaaaa 360
ggnggccgct ctanaggatc aagctt 386

<210> 12648
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-A1

 <400> 12648

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 taggacctgg aaagtcatta tttgatgcca tttccaaagg cgttgggaag atcaaaatca 120
 tagctgaaga tttgggagtt attactaaag atgtagttga gctgaggaaa tctatcggag 180
 cacctggaat ggccgtcctc caatttgctt ttggaggagg cgccgataac ccacatttac 240
 ctcacaatca tgaagtaaac caagttgtat actctggaac tcatgacaac gacactattc 300
 gaggctgggtg ggacactctg gaccaagaag aaaagtctaa ggcaatgaaa tacctgtcga 360
 tagctggaga agacgatata tcatgggtcag tcatccaagc tgcattctcc tcaaacgctc 420
 aaaacgca 428

<210> 12649
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-A11

 <400> 12649

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 gaggaattcg tggcagatgt cgtcctatct gctactggca gaagtcctaa taccaaaaga 120
 ttgaatttag aagctggttg tgttgaactt gatcaggctg gagctgtgaa ggttgacgag 180
 tattcacgaa ctaatatacc tagcatatgg gctgtangag atgccacaaa ccgaattaac 240
 cttacacctg ttgcgttaat ggaggccacc tgttttgcga aactgtcttt tgggtggaaag 300
 cctactaaag cagaatacan gcaatgtcgc ctgtgctgta ttttgcatac caccactagc 360
 tgtagtgggt ctcaacnaaa gaagaanccg ttgnnacaag caaaccgggn ganaaatcnn 420
 ggnccctccc ccc 433

<210> 12650
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-A12

<400> 12650

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 tctagtgttc caaaatttga gtagatcttg aacaactttg caaatcttgt tgatcgatat 120
 gtttggaat tgaaaattta ctagattttg aatttctgag gttttgtgta agcagttgaa 180
 tgaagcagta ggtggttgag tcatgttttg tctgtgatgt cctgtcacac gcatcacatg 240
 aaccttggct ttggatttaa cgccggttgt tagtattagg ctaattatta acatggcttt 300
 tgttcattgt agttaatttt cacagagtaa agagattttg atacattgga cccaaagtgc 360
 aattttcaaa aatgttcctt ggaaaaantc ctcccaaac cgaacaagag canaaaagan 420
 ggcancccca 430

<210> 12651
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-A2

<400> 12651

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 aattctggcc ttctctgatg cctctttaag ccaatttgta tctctgcttc cttacaagat 120
 atatctgaag cttaaagggc agtgacaatg gctggctcgg ttaacgggaa tcatagtgtc 180
 gtaggacctg gtataaatta tgagacggtg tctcaagtgg atgagttctg taaagcactt 240
 agagggaaaa ggccgatcca taagtatttt gatagctaac aatggaatgg cggctgtgaa 300
 gtttatacgt agtgtcaaga acatgggctt atgaaacatt tgggtacgga aaaagccata 360
 ttgttggtgg ggatggcaac ccctgaaaga catgcggatt aatgcggagc atatcaanaa 420
 tc 422

<210> 12652
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-062-Q1-E1-A3

 <400> 12652

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 cttcttctcc atttcgaaaa gaagatgaag gtgatagata agatccagtc attagccgac 120
 gaaggcaaaa cagcgttttc cttcgaattc ttcccaccaa agacagaaga tggagtcgac 180
 aatctctttg agagaatgga tcgaatgggt gcttatgggt caacgttttg cgatatcact 240
 tggggagctg gtggatctac cgcagatcta acgcttgata tagcttcgag gatgcaaaac 300
 gttgtttgtg ttgagagtat gatgcattc acgtgtacta acatgcctgt tgagaagatt 360
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<210> 12653
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-062-Q1-E1-A5

 <400> 12653

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 aatgtgtaat gatgataatg gtgttggttg tctcttgttg tgaagctgtt tctggagcta 120
 agttcgatga gctttatcgg tcaagctggg ctatggatca ttgtgtcaac gaaggcgaag 180
 tcacaaaact caagcttgac aattactctg gagctgggtt tgaatcaaga agcaaatact 240
 tgtttggtta agtctctatc cagattaagc ttgttgaggg tgattcagca ggaacagtca 300
 ctgctttcta catgtcttca gatgggtccga accacaacga attcgatttt gagttcttag 360
 ggaacactac cggcgagcct tacatagtcc agaccaatat ctacgtgaac gggng 415

<210> 12654
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-062-Q1-E1-A6

<400> 12654

aaaaaaaaac tctccgactc ggaagaagag ggagagagat gaagaagccg gtcggagccg 60
agaagaagag ggttaaacga tcatcgggat ctgcatctac ttccgtaga gattctgggt 120
ctgatttctca acctaggaag caagctgtga agaaggatag ttttcagttg tttgctgaga 180
aagttagaga ccacaaggga ttagaatcca gatgggctgt tatggagcaa gcacgagttg 240
aatacttttag agggaaaagat tttgtgagct ttatgaagaa taaccctgac tttaaagata 300
ttctggaaga agataaagac cttgacacag acgatattgc caatgttttg ttgggaaaga 360
accttttggg cgcgtgtgat cgtgttacta aaactcttcg tcccgggaag aaaaagct 418

<210> 12655

<211> 403

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-062-Q1-E1-A7

<400> 12655

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ttcttcttta acattaagta ctttgaagag aaagctcttg ctggagagtg ggatgaagtg 180
gagaagtatc tttctggttt cactaaagtc gatgataatc gttactctat gaaaatcttc 240
tttgagatta ggaagcaaaa gtatctcgaa gctctagatc gaaatgacag agcaaaagct 300
gttgagatat tagccaaaga cttgaaagtt ttcgctacat ttaacgagga gctttacaag 360
gagattactc agctgcntac tctggagaat tttagggaaa atg 403

<210> 12656

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-062-Q1-E1-A8

<400> 12656

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tcaagagcac gataaatttc tagaagctct tcacttattc gatagggatt ggaagaaaat 240
agaagccttt gttggatcaa aaacagtagt tcagatacga agccacgctc agaaatactt 300
tctcaaagtt cagaagagtg gtgctaacga acatcttcca cctcctcgac ctaagaggaa 360
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t 421

<210> 12659
<211> 431
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-062-Q1-E1-B10
<400> 12659

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agaaagccac tgttcccaga cgctactctc taccatctcc aggtaatggg aggatcactt 180
ctcactctcc aagaacaacg agactcgcaa actcaggtga caaaaccggg aataagaagg 240
agaaacctct tctgtcgtcc cgagaaggaa acgccaagac aactccagca gagcggaaga 300
ggtgattggg tccagcggaa agtgaangcc tttatcgttc ttgattctat agcagcgaca 360
ataccaaaca tgaaagaatg caaccatcct tatccaattt aaaagctaga gaatattaan 420
tccgtggatn t 431

<210> 12660
<211> 441
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-H12
<400> 12660

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ccggaggctg cgaggccctg ggctagtgcg gcgaatgcag aagttatcga tgcgcttcct 120

tatatagacg acgactatgg caatccattg attaagtcgg aggtagaccg tttggtggag 180
gaagagatgc gtcggagctc taagaagcca gctgactttc taaaggactt gcctcctctt 240
ccgaagtctg attttaagaa ctgccctggt cttggcaaag agtatgagcg tgtagagct 300
gggaagcctc ctgtgcggat agatttcgaa tcccgatata aacttgaaat gccacctgcc 360
aataagagga atgatgatgc tgcccnngga agcaattatc tcaagaagga atcaacgggc 420
attggcaaca ggaaaccgga t 441

<210> 12661
<211> 418
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-061-Q1-E1-E5
<400> 12661

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accggcgcaa gttatcggat accgtccata tccacaaaa accaacggct ccatcaaat 180
cttcgacgct tcaaaaaaat tcgaaggctc atcgaatctc gtccgcctcc gttaccacat 240
gggtccagtc ttaaccaaca acatcacgct tcaccaatc tggtagggca cgtggcaaaa 300
atcccagaag aaaatcatcc gtgagttcat taactcaatc tcagccgttg gatctaaaca 360
cccttcagtc tccggttggt ggaaaaccgt acagctttac actgaccaa ctggatnt 418

<210> 12662
<211> 413
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-061-Q1-E1-E7
<400> 12662

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accaatgttc gtcgggtttg attacataat catcggagga gggacttcg gttgcgcgtt 180

cttggagtgg ttattaagct gttgcattgg ttggaggagt agttgctcct ttgaattaca 360
 gatgggagcn ttganagaan caaaaatggc aatgccgcta gtangaaacc ggngcttttg 420
 gtaactgaat aaaaaant 438

<210> 12665
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-061-Q1-E1-F12
 <400> 12665

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 attctggacc aggacaagag cagaatcaga cattcccaca ggcagatcag aggaatcgag 180
 actggaacaa caataatcca gcaggccagc ccgggtctga ccaatttcca caggaagaa 240
 ggtactagac agagagcatg ctgcagtga ttgagctgaa taaggagaga agtgtcaaag 300
 gccttttatt aagttttaca gtaaatagta tttagtcac tttctacttt gtaagacaat 360
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 nttgaaacac tccttcna 439

<210> 12666
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 12666

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 tatagaatgg actttgatga gtatgagtac ttagagaaga cagttgaaaa tcctcacctg 180
 gagaatgaag ttggtaatgg tgggtggtgat gagaaagtca aatctgaagg gaaagagagg 240
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<400> 12669

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ccacatagac agcccttgct ccccttcaa atcatcatcc ccacttcat gggaagcgcg 180

tgtgctccag acgctggctc aagaccaggc ccgtctccag tacctgagca gcctcgctcg 240

cgggagatct gtagtcccca ttgcctcagg gcgtcaaata ttgcaaagca ctacatacat 300

tgtcaaggct ttgatcggtc ctccgggtca gccgtgctc ctagccatgg acacgagcag 360

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cctggctaaa tctaa 435

<210> 12670

<211> 435

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-061-Q1-E1-G11

<400> 12670

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attaataaaa aaaaataaaa agaagcagaa aagagataat gcagggtggt aggcctttga 120

cgggtgttgg gtgcctcgcc tccacgggtg cggttggtgag cgccgggtgac ccttacttct 180

actacacgtg gaacgtaacc tacggaaccg ccgcgcctct cggaattcct caacagggtga 240

ttctcatcaa cggacagttc cctgggtcct aacctaaact caacctcaa caacaatgtc 300

gtcatcaatg tcttcaacaa cctcgacgag cttttctct tgacctggag tggactccag 360

cacaggaaga actcatggca agatgggtgt actgggacct catgccaat cccaacaagc 420

aacaacttna cttac 435

<210> 12671

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-061-Q1-E1-G12

<400> 12671

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cttgaaacct cctccaccga atctatgttg ccccccggt ggtccaccga tcacagcacc 180

gcgtataaag ctgcgagacg ggagacattt ggcatacaag gagtatggac ttccaagaga 240

gaaagctaaa cacaaaatag tcttcatcca tggatccgat agttgtagac acgacgccgt 300

tttcgccact cttctttctc cggtacgttc ntaccaactc ttggnactaa ggttcataat 360

aatttctga tcngttttca ctttanaagg atttagtcaa anaacgaagg cgtgtataag 420

ggttcntttg a 431

<210> 12672

<211> 430

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-G4

<400> 12672

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tctctcttat ttagctgcgc agctctctct ctttcttacg gattcacttc ttaaaactcg 180

ttaatttctt gtgggttttt gtctcttttg cgatctgatt ccgaaagttg agtgagagtg 240

agagaatcat ggaggaagga agtatgttca gatctctatt agcgattctt cagtgggtggg 300

gtttcaatgt taccgtcatc atcatgaaca aatggatctt tcagaaactg ggattttaag 360

tttcactat cggtttcatg tgttcacttc atatgttcgt cgattggagc ttacatcggt 420

atcaaagttc 430

<210> 12673

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-061-Q1-E1-G7

<400> 12673

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 aggaaataat tttgttagcc atgagatctt ctcttttttt ttgtgtgttt ctcttcacct 180
 gtgcattgga attattaagg aaggccttca gcttttgtgt gtaaactctt ttagaatatg 240
 tgacatacta ttctttctgg cctgtccttg tttctttgca ggttcagaat ctaattgaac 300
 gatgcctcca gctttacatg aaccaagaaa gaaattgttg acactccttc ctaagaacaa 360
 ggctaagatc gaacctgggt tttacagaac taggtaacct ccacacttcc ctggattt 418

<210> 12674
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-061-Q1-E1-H1
 <400> 12674

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 tccctcggag ctccgtcgtc tctcttctcc cgcggttcag atctctctcc gtacccaaac 180
 caggaagaac ttccagatac aagctactgg aagttcatat gggactcatt ttcgaagttt 240
 caacttttgg agaatcacat ggaggaggag ttggttgat cattgatggg tgtcctctc 300
 gtattccact tactgaatct gatttgcaat tcgatctcga tagaaggagg ctggtcagag 360
 cangatnaca actcctaaga aaangagact gatacttgcc gggatatcgt ccgggagtct 420
 cctgaaagga a 431

<210> 12675
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-061-Q1-E1-H1
 <400> 12675

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 ggtgtttatg gttgcatcaa gtgtgggtta tgaagtgcaa gggactttct tgttaaagct 180
 ttacttgagg aggaagtttc ccagacgttg tatcgacttt gccccttatg ctggcaaagg 240
 tatgttgatg ctctgtgagca accttgaagg tggatgtccc gcaactagag agttcaaaca 300
 attcttttca acgttcaagt cttacatgag ctttatcagc tcagcatcga tatccgcatc 360
 gaaaaacatc gatgtggaga tgaatgggag atgtnaattg ctttccaagg ctaatgtctg 420
 cattgaccgg gaagcaa 437

<210> 12676
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-061-Q1-E1-E3
 <400> 12676

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 aatcggatca tagctcgacg aagtctcgat cttttctatt ctctctttct gggatttcgt 120
 ggggttttacc cagatttcga aattgaatgg cggacgaact ggaattgtcg ccgttggttc 180
 caccgtcgcc gatggtcgag ctttccgaga tcgatctcga agctggagga cctggtgaac 240
 aaattcagtg ccgaatctgc cttgaaactg atggtaggga tttcattgcc ccatgcaaatt 300
 gcaaaggaac atcaaagtat gtacatcgtg attgcttgga tcattggaga gctataaagg 360
 aaggtttcgc gtttgcgcac tgcacaactt gcaaggntcc atattatccg agagttcaca 420
 atgctgg 427

<210> 12677
 <211> 492
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-C4
 <400> 12677

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gcaacatcaa cgacttattc gagagaaaat gaatcggaat cttagaaacg ccattgtcgc 60
 atttcttgct ccacttcctt ctatcgtatt ctacctcacc tttctcagta attactcttc 120
 atcttccgat tcagagctct cttctattca atcatggtgt ttgaatcatc ctcttctatt 180
 agcaaaccctt ctcttcttct taaacgtcaa tgtgctcttc tgggtcatcg gtttactcca 240
 atctagccac tggatgatcg atgtgtattg ggacagtgat acctgtaatg ctgggttcatt 300
 acttcgcttc gcatchattg tcacagttca ataagctnga gatcaaggat tgtcataaac 360
 tctgacatgg attttgggag cattaggttg acgncataa tacttccggc ggggaaaag 419

<210> 12680
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-C9
 <400> 12680

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 cgtgtaccg aaacgtcacc ggaagcaaaa acaagcggat caagcgacgg caaatggtgg 120
 caaaactggt gcttcaaattg gaaccgtagc taacggcgga gataacgttt tccgttcgtt 180
 ggaagagcaa gctgaggatc gtcgacgacg gatcttagcg gcgaagatga ctgctattga 240
 ttcagatgat gatggtgttg ttagatctaa acatcgatct aatggttacg gtgatgatgg 300
 gtatgatttt gatggtagtg atgatgagat cgcaacgctg aaggttgang aagttaagaa 360
 gccaaagcct aagaaggaga agaagcctaa agtttccttg cctgaanctg cnannaanat 420
 tt 422

<210> 12681
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-D1
 <400> 12681

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gcccacgcgt ccggacaaag tagctgatgt ccttggggct cttccttcta cagatgcctc 120
atgggacgat ctaancaatg tttctgtgca acttcgtttg aacaagaaat gggattcnat 180
natcttgggtg tgtgagtgga ttttaagga agagctcctt tcagcctgat gtaatctgct 240
tcaatttgct tanncatgct taagganaga anttccagta caaggangcg gaatcactct 300
angtacanct tcttgaatcc cgctatgtgc ctacggggag acacatacgc ncttcttata 360
aangcatact gtatggcatg gctcatagan agagctgaag ttgttttagt ccaaatgcan 420
antcatcatg tttctccaaa gtgtaactgt atacaatgcc ctatattgaa nggngttaat 480
gaa 483

<210> 12682
<211> 153
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-D11

<400> 12682
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ancaggtgat tccgagtcctg tgttggacaa ntacaatctc catgatgagg cacagtctaa 120
gacangttcc tcgagtgccg ggaaagatat ng 153

<210> 12683
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-060-Q1-E1-D2

<400> 12683
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tacaaggcca ttggacagtt ccaggcggga aaatccaaaa cagatgatct ttttgatgag 180
ttagacacaa gttaaactgaa tgctcatttg aaggaacttg tgcttggtct cacagctaaa 240
gtattccgta catataatgc ttccatcact ttggatgaaa tgctgagtca agaaaccaa 300

gatggcgatg ttactcaaaa aatagtagtt tatcagaaag caaataagga gggttgccata 360
 atctgcaatc atcagcggtta ctgggttcaaa agacacatgg tgcgcaaatt gaaaaaattg 420
 actgcgaaga a 431

<210> 12684
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-D4
 <400> 12684

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 agttaaccgt caagtctctc acctgcagca aaattcactc ttctgctaata atgtttctcc 180
 acagagattc atctattgat ctttttgact ttttcaggta aagtaaattt ttatttctct 240
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 ttccatggaa aaattctcgg gcatgcaaaa acnttttttt ttttttttcc taaaaaagggt 360
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 cg 422

<210> 12685
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-D5
 <400> 12685

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 gtgctgttgg taaaacctgt atgctcatct gctacaccag caataaatc cccactgact 180
 acataccaac agtttttgac aacttttagtg caaatgttgt tgttgaaggc accactgtca 240
 atttggggct ttgggacact gctgggcaag aagactataa cagattaagg cctttaangt 300

tacaggggag cagatgtttt cgtcttgtcc ttctcattaa gtcagccgag ctanntacga 360
 gaatgttttt aaaaangtgg atnctgaaa ctccaaacac ttgtctccan gnagttcccc 420
 ttgtcc 426

<210> 12686
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-D6
 <400> 12686

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 ccaaaccat ctctgtaaaa cggaaaatca taactctagc agctccagag acactcaccg 180
 ctgaaacagt caccggaatt gatacttccg acaacactcc acaacanaca ataaagggtgg 240
 tgaagccaga tgagaaatca agagtgggtac tcaagtttgt gtggatggag aagaacatan 300
 gattaggatt ggaccaacat gtacctggac atggggcaca atcccacttt agtccttact 360
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<210> 12687
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-060-Q1-E1-D7
 <400> 12687

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 gaagttccgg tgaagaagac gaagacgaaa ctccagaatca aggaatgaga ccagaatctg 180
 aggatcgagg atcaacgagc gatgatagcg atcgtgaagt tgtgattgag gagagacgat 240
 ttggtaaatt tgtaaatagt cagagttctt cttctagcaa agattcgctt ctttctgtaa 300
 cgttattgga tccagatgtt cttgattgtc ctatttggtg cgagccattg aagattccta 360
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t

421

<210> 12688
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-D8

 <400> 12688

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 naacatagac ttagctctca gggcttactc tctcctattc cttcgaggag gggttcgatg 300
 cgaaaggatg aganatcacc catggtgtct catgagattc caatgtctcg ttaatagctc 360
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 tatccgtgtc ttctc 435

<210> 12689
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-D9

 <400> 12689

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 tactgtaaat agcaaagatg gctcttctta ctttttcggt cctcagattg agttagatga 180
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 cccaaatgta gaggatcact ggttcaaaca tctaaaaagt tcttttagcga agcttantgt 360
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tttagg 426

<210> 12690
 <211> 320
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-E1
 <400> 12690

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 ttgtccaagg agctcttgaa aatatctgaa agaagagttc ngctctccaa cggaaggnc 240
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<210> 12691
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-E10
 <400> 12691

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 gcgttctgcc tccgcaaggc tttcttcttc cctctccagg atcgctcta gcgagacagc 240
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 ctctcggct ctccgctcct ttcgagtttg ctctgcttcc acgcggtggg agccaagggtg 360
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 tag 423

<210> 12692
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-C11
 <400> 12692

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 gcagtctcaa agagtacaag agcgacgagt atttggaata tagactgtat tgggtgttcat 180
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 aactagaaa tcgagctgcg agacctcaat ctatgagagg atgtacatgt cattttgtgg 300
 ttaaacgact ctatgctcgt ccttcacttg cgcttcttat atacaatgag agacgacatg 360
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 tcnaaanaa 429

<210> 12693
 <211> 497
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-A12
 <400> 12693

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 cagaaaattt cagccatgac aggatcacia gaagaccaac ctaagatcat cattgatcaa 180
 gagcaacca aaactctaga aacagagcac caaccataac cttcttcatc gtctccggat 240
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 cgtcatctac tcnctgtcg aacatccaac aactaanaac cctctcgagc cagtcacggt 420
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<210> 12694
 <211> 347
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-A2

 <400> 12694

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 tgatagctct ctggtccaat aatcgagaaa cctatcttga ccaccttctc cgacgccggt 120
 gtagcccacg cttgccagcg tcgggatttt tccntccctg cntctctcta tttcacattg 180
 cnatctgttt cccctcttgt ggggccgttt cctcaatcat ctagtgtaat caagcgtctt 240
 aaaagtggan aacggcattt catcctccat catactcaga tctatcgacg cnggttcttc 300
 ctcgatctcc ctttaaacct tcttccanng tnnctgcgcg cngggna 347

<210> 12695
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-A6

 <400> 12695

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 gaaggccggt gctgctacta acggaactgt tgcaaagaag tctaaggatg actcatcatc 180
 atctgatgat gattcttcag acgaggaagt tgctgtcacc aagaagcccg cagctgctgc 240
 taaaaatggc tctgtaaagg ccaagaaaga gagttcgtct gaagatgatt catcttctga 300
 angacgaaac ctgcnangaa acctgctgct aagattgcc aagccanctgc taaaggattc 360
 ttcacctcc tgatggatga ctcatatgaa nggattccga aggatgataa actgctacca 420
 anggaaggca gg 432

<210> 12696
 <211> 423

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-B1
 <400> 12698
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 atgggaacag tcaccaccac agttctcaca aga 93

<210> 12699
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-B10
 <400> 12699
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 tagagatttt gaaaccgaaa ccccaaaaac ccctttgacg cctccttctt cttatctctt 120
 tataaaaaac catttctttc ctgcaanatc gttgcttata atcagacgca catcacctgt 180
 tcgataaaat tcctctgana gtgttttttt tgttttcctt ctgacaaaga aatatgtatg 240
 tantgaagcg tgacggaaga caggaaactg ttcatttcga taagattact gcgaggctta 300
 agaaacttaa gctatggggc ttagcagtga ccattgtgac cctgtcctcg ttgctcanaa 360
 ggtccgtgnc cggtgtcaat aaaaggngtc actacgagtc caactttgaa nangntggg 419

<210> 12700
 <211> 481
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-B11
 <400> 12700
 ctgntaccct ggccgggtacc gaaccagant tcgtcgantc acgcgtccgc gcctctctgg 60
 atttcgaaga gctgagagat tagggtttct cgattttcga gattagagtc taatccccac 120
 caccagcata gctgatatcc tggaggagag aatgacggat tcgggtctaa tgatgccggc 180

ggagattgct ggaattctaa ccacggcgat tacgagttgg tgggatgatg ttaatgagtc 240
 aactcagtgg caagatggga tctttttcgc tctttgtggg gcttangctc ttgtttccgc 300
 cgttgctctt gttcaactga taaggatcca aatgagagtg cctgaagtat ggttggacta 360
 ctcagaaggt gtttcatctt atgaactttg tcgtcaatgg aggtgattat tttccgtgcg 420
 gttccgtttg ggatttcaca tcaaagtatt ccctggttca tcccaaggct cnttgctggg 480
 g 481

<210> 12701
 <211> 254
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-B2

<400> 12701
 cnanntcngn gaagcatcac gatgatgatn ttaatggctg ttttggctctg gtcagtgact 60
 ctagagacct gcattgccac aagaggaaga cattggagac atangccacc gaagctcttc 120
 tgacttgtct gattccttgt caaacaagaa accgaagagc catgggaaca gtcaccacca 180
 cagttctcac aanaacaanc atcaccacan gtctaaacct aaaccgaaac caaaagctga 240
 aancngccgc caaa 254

<210> 12702
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-B3

<400> 12702
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 ggacttgctc gctacgcagc tattttctca gacagcggtc tggtgccgat tgtggagcca 120
 gagattatgt tggacggaga acacggcatt gacaggacat acgacgttgc agagaagggtt 180
 tgggctgagg tctttcttcta cctcgctcag aacaacgtca tggtcgaagg tattctcctg 240
 aagccaagca tggttactcc aggagctgag gccacagaca gagctactcc tgagcangtt 300

gcttcctaca ctctcaagct ccttcgcaaa cagaatccct cctgctgtcc ccggaatcat 360
gttcttgtct ggtggacaat cccgangttn ggaaggccna ccttnnaact 410

<210> 12703
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-B4

<400> 12703

gatcttcatt tccatggagg cttaaaaacc ctagaagata ttcttttaca catcactcat 60
ccgctagtga agataaaaat catttctaga gcttcctctt tctctctctg tatgatctga 120
agcgaatcgt ctttagatctt ttcaccaatc actatcaaaa ggacctcttt ttaaagcttt 180
tcgagacgag ctgggttttcg gatcctgtga gcttcagaga cgcttactgg gtttatcaac 240
aaggctttcc ctttgaatca agctttgatt gagaaaggag tgaaaagatt ttgattttga 300
tcagatacac aaagtgttct tgcgttagtt aagcgactan gtgtgtgttg ttgtagtgaa 360
agcttcctta ctgttgacaa gtatctccga natggaaacg cttattgtag ccgtgggaa 419

<210> 12704
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-060-Q1-E1-B5

<400> 12704

aaagcaagaa gtcggttatt cgacttggtg acatggaatc tgcgtatcta accgctgagt 60
tcttcgggaa acttcctcaa gaaatagaaa gaccagtaac caacagcaaa aaccaaaccg 120
cttctccttc gtctgcaaca ttagaccagt atggagacgg acatttcaga aggatagcat 180
caaatgtatc tgcgtatggt aatatggttt cggacacact tcgtaacacc attccaaaag 240
cttgtgtgta ctgtcaggtt agacaagcca agctcgcatt gctcaattac ttctactctc 300
angatcaagc aagagagagg gggaaacang ttgggacagt tactagantg aagatcgggc 360
attgatggac cggngacta gagtgcgcna agangctaga gttntacaag gaangcaagg 420

<210> 12705
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-B7

 <400> 12705

gggcgtgcaa atcaggtata cgtcacgac tttggtctgg caaagaagta cagagactca 60
 aatcatcagc atattccata tagggaaaac aaaaacttga ctggaactgc tagatacgct 120
 agcatgaaca ctcaccttgg cattgaacaa agtcgtagag atgatttggg gtcacttggg 180
 ttcgtttctca tgtacttctt aaaaggaagt cttccttggc aaggactgaa agctggcaat 240
 aagaagcaaa agtatgagaa aatcagtga aagaaagtat cgacatctat tgaggcttta 300
 tgccgaggtt atccatctga atttgcattt tatttccatt attgccgttc tccgagattt 360
 gacgacaagc cannctaatt cctacctgaa acggnntttc ccgcgacctg ttatt 415

<210> 12706
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-B8

 <400> 12706

gcctaactaa acccaacgcc ggctctctt tctctctctc ccgcttctc tcgtcgatcg 60
 ctgaccatgg ccaaggacaa actcaagcct cttctctcct ctgatgctgc aggtgatatc 120
 gctgatactc ctctccgaga gaagaagcat aagaagaaga gcaagaagcg agctgaacct 180
 gaacctgata taccctctac acgagattcc ggtcttgatg aagatagaga tggagtattg 240
 gtagatgata ctctaaatga gccaacgata ggtgataaac ttgagagtct tgacttatta 300
 aatggcgaaa aggttaacag tgaggagagt antagagatt ccggctcctg ggcgaagata 360
 agnctcctna ctggctgctt ccggtttaac gttcntcctg aagacaaagc attgcatgcc 420
 ngatg 425

<210> 12707
 <211> 491
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-060-Q1-E1-C1

<400> 12707
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 ccccgaggagg aagaaatgga nacatggagg gaaatgagtt tacggacaac ggttccatca 120
 aagagactgt agatgctgct gttggaatgc tcaacgaaaa aagagctcat gagggagaag 180
 tttctggtga agaaaaacga agcaacgaga attgggattc atttcanaat attttgatga 240
 ggcacgatga tggctcacat gtgcattcaa tggatgtcat ccgtcaggag catttcacac 300
 ataagaggcn ctagtgtggg tgcaaatct aatggcttgc aaacaaaaga acactgcctc 360
 gggtgattcc atcatcaca cgcataaata catagaaana tgggacggan atagccttg 420
 atcatttttg naaagttaan gaatantgct ccncagggt tcccaagaac cgaggggact 480
 ccnacngann a 491

<210> 12708
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-059-Q1-E1-H7

<400> 12708
 aatggaatct ttatcgaatc caagctgatt ttgtttcttt cattgaatca tctctctaaa 60
 gtggaatttt gtaaagagaa gatctgaagt tgtgtagagg agcttagtga tggagacaaa 120
 ttcgtctgga gaagatctgg ttattaagac tcggaagcca tatacgataa caaagcaacy 180
 tgaaagggtg actgaggaag aacataatag attcattgaa gctttgaggc ttatggtaga 240
 agcatgggca agaaagaatt gaaagaacat gttagcaaca aaaaactggc tgtccaagaa 300
 taaagaaagt cagcctcaa gaaatttttc ctccaaaggg nngaagaaan gaaggctgaa 360
 agccaaaggg tgtaacctat ggggtcaaag ccgctnagac ataagcta nctcctccaa 420

cgggcctaaa gccgt

435

<210> 12709
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-C11

<400> 12709

aagttcttca aattcgcngt tgaatTTTgt ttctcggaga aattancana accctatacg 60
atcacattat cgcttctgan atcaangacg atgcagcant tactgttcgc tgttgTtctc 120
ttcgaggttg ttgtgataat ggcgctttcc ttcaagacgc cgattaggaa gctgttgatt 180
atgagcttgg atcgTtccaa gcgtggTcgt ggaccggtgg tgattcagac ggtTtctgcg 240
acggttattg tgcttctggt gacgagcgtg tacaatatga tggggatcca gaagcgttgg 300
atcgaanatg gtgtagtgaa tcctacagat gangttatca tggctaagca tctccttgaa 360
tccgactctt aagggtgggt ttctattc 388

<210> 12710
<211> 70
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-C8

<400> 12710

ctctttantT aactaantta ttcaataagt aaaccataga taggatggtg tttttangtt 60
tggtTtaagt 70

<210> 12711
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-D10

<400> 12711

aagtggaact gacattgatg cagttatctc tggatttttg tcgcctctgc acaaggTcca 60

tgccccatct aagattcata acggaagtga taatggccac cttgctgatg ctactgttga 120
ccaagcatcc ggaattttat catccccaga taccgagata gacaatgcat ctgatagaga 180
gttatccttc aggatattct tgacagatga acgtgggttg aacattaaac cactgcagtc 240
tgaatcttct ataagcccgg gtaccgttac aagagtttta agtcgagtgg aatgaggggtg 300
agcatgaaag atatgattcc agctacttga gtgatcttcc agangttcat aaaacaagtt 360
tctcctgcaa agaagacaag gcaagaatcg atatccctgt tttcgtgttt gg 412

<210> 12712
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-D12

<400> 12712

aaaccanaag acaaacaaaa acgccgtcgt ttcacgatgc tttcttcttc cccaaccttc 60
ttcgctactc cattttctctc ttcttcttct tcttcttctc cgtcgttctc ttctacttca 120
ccaccgtcac gcattttcccg gatctcgccg tcgctttcta caaccaccgc gtcttacacc 180
tgcgccgaag atctaccgag attacgccaa atcccgacgc gattttcaag caaccgcgtc 240
tctctacgag atccttgaaa ttcccgtcgg ctcgacgagt caagagatca aatcagctta 300
cgggcgacta gccaggatcn gtcaccccca tgtagcgaga aaatagtcgg gataactcgt 360
cgggcggggac gaattcatga agattcaagc aagcgtaatg gcacgcnttc nggttcccga 420
gaaaag 426

<210> 12713
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-D9

<400> 12713

gtcggctggg ttatccataa gattttgaaa caacgtaagg tgcctgagaa gatatgtaca 60
tattctgtaa tggtttgggt tttcaatccg tttacattca ctattggaac cagaggggaac 120

tgtgaaccca tcgtttgtgc catgatatta tggatcatto tctgcctaata gcaaggtaat 180
 ttgttacaag ctgcattttg gtacgggctt gttgtgcatt tcagggtcta tcctattatc 240
 tatgccttgc caatcatcct gggtcttgat acccaggtat ttagatctgg tcaaaagccg 300
 gctcttttgc attggaatac cggtcaggcc aagacacctg ccagtaacat ggagagaaaa 360
 acattcctct tcaatctctt gaccaccttg aaaagtttan tttccangga gagaatcatg 420
 t 421

<210> 12714
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-059-Q1-E1-E11
 <400> 12714

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 agaagatttt ggagaaatct gcagctcgag gacttcccat gatcgtagct aatccagatt 120
 acgtgactgt tgaagcaaat gtttttcata tcatgccagg tacactagct tccaagtatg 180
 aagaactggg aggagaagtg aagtcgatgg gaaaacctca taagatgac tatgagtctg 240
 ctatagcaat tgcgggagtc aatcgtctg agtctatcgc agtaggagat tcgctacatc 300
 atgatataag gggagcaaat gtttcaggaa ttgaatcaat attcatcact ggagggattc 360
 atggtaatga gcttgggtctc acttcttttg atgaaactgc aagtctagac tcagg 415

<210> 12715
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-059-Q1-E1-E12
 <400> 12715

attctttcta attaagcaat aataatttaa tgtttttttt aattgaattt tatgattttt 60
 tttaggtaat tgaagcaaag aagtcgcatt ttgattatag cacacctaaa aagagattgc 120
 catttcgaga cgcaatacta atccttgatt caaatcgaa ttccagtagt caagatgatg 180
 aatggagcc tcctaatacga ccaattcgaa ggaggtttat taatcgagaa tcggatttgc 240

cgaagatctc tatggtattg tttaaatgaa gaagaaaggt aaaaaaaaaag aatcagctaa 300
 ttgtgcagaa gatgaggaaa gaacaagaca tagaagagtt tgcttttgct tcaattcttt 360
 atcattgaag ctttttatta tatttactga ccatgtgaat ataaccaatt atttgag 418

<210> 12716
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-059-Q1-E1-E2
 <400> 12716

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 tcgacttttc tccgccgttt ctgcgaaacc ttctcttct ttctctcctt ctctccgctc 120
 gccgtcttcg aggactcaat ggactcagct cagccctgga aaatcgattt ctttgagaag 180
 aagagtcttc ttgttgccctg cnaaagccac aacagagcaa tcagggtccag taggaggaga 240
 caacgtcgat agcaatgttt tgccctattg tagcatcaac aagggctgag aagaaaacaa 300
 ttggtgaaat ggaacaagag tttctccaag cggtgcaatc ctttctatta tgatggnaa 360
 nngatcangt ctaaggaaga atttgataa ccttaaanna agagttaatg tggggaangg 420
 aagcatt 427

<210> 12717
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-059-Q1-E1-F1
 <400> 12717

aaaaacatga aaatcctctc actttcactt ctcttgctct tggccgctac ggtctcggca 60
 tccgttccag ggctcatcga actcgtcgat tcgaaaacca tctttgggaa cgtagccgaa 120
 ctcttagaga aagagaaaact ttccatcaac tacgccaaact gcagaagctg gcaccttggt 180
 gttgagacct ctaacatcat acacttcgac acggtgcccg caaattgcaa agactatggt 240
 gaagacgact tgatcacttc caaacgtac caatagcact ccaaaaccgt gtgcaaagag 300

gcttatttct atgccaaagg actttgcccn aanagaacga caccngtcaa ngtnnttgat 360
ctttgaccta nangataccc nctctctctaa gtanttcctt aacnaaggcc anaatatgga 420
tnanggnanc ag 432

<210> 12718
<211> 490
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-F12
<400> 12718

gnntgnggaa ntgtttngtt gncnggccgg taccganacc aaaattcncg ggtcgaccca 60
cgcgtccgct cattttcccg agcgatcgtc catggcggac atcgacatcg gaaccgcagc 120
aacaacagga ggaaacgaag gaagaggagg cacacgagaa cgtctaataa accgagaaaa 180
caagttcaca cgtagcgtat ctacgcaca agacgagctc cacagtttcc ggaaatatct 240
ccgatggatg tgcgtagatc agtcgagtc ttggacggcg gttctatcat ggtctatgtt 300
cgttgtttcc acgctcgttg ttctgccac gtctcacttc atgctcgctt gctctgactg 360
cgatagccat cactctaggc cgtacgattc cgttgttcag ctttctctta gcaagtttcg 420
ctgctcttcc gtttctttgt ctctnccat tcgttaacaa gtatgggctc cgacngttcc 480
caatccttgg 490

<210> 12719
<211> 340
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-F3
<400> 12719

aagttagagc tcttctctca tctccaattt ctctctctct ctctccttcg ctcttatcct 60
ctggcgattt tttccagaga ttctccgatt ctcgaggagg aggaggagga ggaggaggag 120
ggagagaagg agaaggacat ttctgattcg attgatgtga aacgctccta cttgattcnc 180
gtcgtctgag atgggagtta tcatcnagga ttgataatgg ttcccgaatc atcatccgag 240

ggatanngan ttnttctggc gatgatttcg aattcnaana gttgatttcg anattcgatg 300
caccggaggt tnnnagaatt tctcnagacc tganncttta 340

<210> 12720
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-F8

<400> 12720

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aatcttcggt ccgattccaa ttcagaggca gcgcatgggt cttctgagtc tgagactcga 120
gtctctttaa ggaagaagag gataaagcag gatgatttgg agcctgtaaa gaaatgttcc 180
gccaganaaa ccaaggcccg caaggacatg tgtggantac ctgatataga agactctcct 240
tatangaaga ctaatggaac tgcttcatct aggacganga aaactaaact catacatagg 300
gacnncaga anctagccct tcngcatcgt cgatcaanga cagcaggggc ctanggcata 360
ncaccctgaa aancngggan gaagggtgctc gaagggttnt 400

<210> 12721
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-059-Q1-E1-F9

<400> 12721

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aagaaattgt ttgatgatcc taatgattct tctctcgacc catctccttc aaaggaaaag 120
tcttctgggt ttctgagctt tagcagagtt atgagtcttg acagtatgga tgttgattta 180
agtaaagagc ttgcatcgtc ttctaaatcc gttgtgaaaa atcgtcttga cacctccaag 240
tcagaagcta aaaagcaaat gagtaaggct attgtgtctc ctaaatggaa gctggcacct 300
acacgtcgtg agcaagagaa atgggataga gcaacgaagg ctgcaactgg tggcagtgat 360
gtgatgttta gggagctgag acggccacgt ggtgacccaa gaagtacaag ctgctaaaga 420

caag

424

<210> 12722
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-G10

<400> 12722

accgttttag tcttcctctc ccgccgaagt gttctctccg tacttttagc gtccctcgcca 60
atggnaagcg cactcaatct ctgctaccac atcacttctc cgtattcaac caaagtcacc 120
gacttgttac ctcccttgagt cacaatgttt ccaacaaatc tgatgcagag gcagagcggt 180
cctgtgatga aggagaaatg ttggataaga ataggataag caagaaaaac ccgtttgttt 240
cggaaagagc ttctcaagaa gttgaagaga tatggactct ctggaatatt atcctatggg 300
gttacttaat acagtctatt actccacagc tttcctcttg ggtctgggtt tatgtggctc 360
cagcaccggg gaaaaatggg ttatcttgct gcggctgaga gatttcttaa ag 412

<210> 12723
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-059-Q1-E1-B12

<400> 12723

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caaaaaatgtg tgcattagta cctccattgt ttccaaactt tgggtggcca tcaacgggag 120
agtacgacag ctactacctc gccggagata tcctcaacaa cggcgggttt cttgattttc 180
cgggtaccgga ggagacttat ggagctgtta cagcgggtgac tcaacatcag aatagctttg 240
gtgtttctgt ttcgtcggag ggaaatgaaa tagacaacaa tccggtgggtc gtcaagaagc 300
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 2. *What are the research objectives?*
 3. *What is the research methodology?*
 4. *What are the results of the study?*
 5. *What are the conclusions of the study?*
 6. *What are the limitations of the study?*
 7. *What are the implications of the study?*
 8. *What are the future research directions?*
 9. *What are the contributions of the study?*
 10. *What are the key findings of the study?*
 11. *What are the main results of the study?*
 12. *What are the primary outcomes of the study?*
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ngggaatgg                                     429
  
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<210> 12745
 <211> 520
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-057-Q1-E1-H4

<400> 12745

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ccacgcgtcc gcacacgcgt ccgctaaaat cgcgaaagag atatcttacg aatctccaca  120
agtgcgaatt tcgaacggag ctacgattcc atggcgacca acggagagaa ggtcacggct  180
acgggtggtga atggcggagg gctatctact ggtgaaaacc ctaagaaaat tgtagacctc  240
aacactacgg agttagatcg tactgacgac attctcgacg gagaagtcaa gggattttca  300
gattctggtg aaaagaagga agaaaccgac tctaattgga ttggatcgac ggctggtggt  360
gattctgggg atatctctcc ggtcgatgat atccagaaga agattcgacg tgctganagg  420
tttgggtgtt cggtgaaatt gaccgaagaa ggagaagcgc aattctcgtg ctgagaagtt  480
tggtactggt anctgcaaca atggtgaatg gctcaaaagg                          520

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<210> 12746

<211> 87

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-057-Q1-E1-H6

<400> 12746

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cttccgtttc ttcaanagtg gaggaagtgc ctatctancg ccacggagca gcctcctcct   60
gcctctccgt naccaccgcc tccggga                                     87

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<210> 12747

<211> 366

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-058-P1-E1-A1

<400> 12747

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atgtatacac acatatagtt acaaacacac atacacaaaa cacaagatat ataaaaatgt   60
cttgttataa taaagcacta ttgatcggca acaaagtcgt cgntatactt gtattcctcc  120

```

tatgttttggg tcaactcgta gagtcacttc gancactgnt tgcattgtgat tcancaaacy 180
 ggtaaccgg acgctccggg tctgtcnggc caatgtaccg attcatgtgn gagttcaaag 240
 atttgctccn ggaaagntca cnttgcacgg agaagatccg naacctctc aaaaatgcng 300
 ccgccgnncc aangtctcgg gnattggngg ccaatnantg ggggggnccn aagggccccc 360
 acgggg 366

<210> 12748
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-058-P1-E1-A10

<400> 12748

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 tcttcttcat agcacaagtg tgtttacttg ctggctctgt acgaaacgct taccatacaa 120
 agtaccgtgt ctactttggg aacacttccc cttcttctcg atcactgagg aaaggcgtgt 180
 ttggggctgg agcagcattc atagtgtca cggggattgt ctccgaagct ttactatgtg 240
 acccttttga gggccaaaga ctttcaacct tcaagagatc ccggtatccg aatgagtagc 300
 ctgtagaact tacacctgct ttgtagattt agaataatta tgttcattgt tggttatcaa 360
 cctactaacc tanggtcaan tgggtgttaa ggaatntaat nagtaatgga gggnaaacca 420
 acatttt 427

<210> 12749
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-058-P1-E1-A12

<400> 12749

cttctcaag tcaacttttg agtcgcagca atttggcggt tggatatctt caatctgctg 60
 cttctcttc tcagtcattg tcatggatat cgatttcaac gagtacaagc tcagggtcga 120
 gcttcatggc cagcatgatg atgttcgtgg gatttgtgtg tgtaatgatg agaatatagc 180

tacttcatca agagatagga ccataagggg ttgggtcactg gatccatctg ataagcgcaa 240
gtatacctcc gagaaaattc tgctgggtca tactaagctt tgttgggcca cttgcatgga 300
tcccaccaac tgatgaatac cctgaaggaa gacttgtctc tgggagtatg gatactttcg 360
tttttgnttg ggatctgatg aatggngaag natattcnga cantnaaaag gnccacaaa 419

<210> 12750
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-A4

<400> 12750

agaatgtggg cgaggctttt gtcttcgacg aaccaaccga gtttcatgaa gcaagctgac 60
aagatccact caaaccagtt gggttggtgaa ccagggacca tgaaatggtg atcaacactg 120
tctacaaaaa cattcgtttg tgttttgact tgaggacatc tttgtttggg aagtaagggtt 180
tcttaattta atagaaagct tttcaaaaat tgttttataa tattcttcaa gcaaaganaa 240
gagagagaga taactcntgt gagaataatg taacaactct tggttccaac tacaactttg 300
cttctgtata tatccacgc tgantctttg aggctcatgt tacttacaac ngccgcgntn 360
gnntccgcc attaacnng gancgncgcc cnccanggag ggntncccca gancna 416

<210> 12751
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-A5

<400> 12751

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ccgccatggc cgccaagtcc accgtctcct tccgtgacgg catgttacca aacggagact 120
tcgagctang accaaaacca tcagacatga aaggaacaga aatactaaac aaactagcaa 180
taccaaactg ggaagtcaca ggattcgtcg aatacattaa atcaggacat naacaaggag 240
acatgcttct cgttgttccc gccggtaaatt tgcgtgtaag acttgggaac gaagcatcga 300

tnaaaciaag actaaaagtg gttaaaggaa tgtattactc actcactttt aagtgctgcc 360
 aaaaacttgt nnaacaagna cgaagagAAC ttaacatata tngttagnca cctgantccc 420
 ngg 423

<210> 12752
 <211> 404
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-058-P1-E1-A7
 <400> 12752

gcgaaaccct agtcgatttc gagatccaac caactctgct ccttatctca gcttggtgaa 60
 tttgcgaagt atgggagacg ctagagacaa cgaagcctac gaggaggagc tcttggaacta 120
 tgaagaagaa gacgagaagg tcccagattc tggaacaaaa gttaacgggtg aagccgtgaa 180
 aaaagggtac gtgggaatac acagttctgg attcagagac ttccttttaa aaccggagct 240
 tctcagagct attggttgact ctggatttga acatccatct gaaggtaata aacgatattt 300
 caatctattg gtttgaggtg agcttaaaca tgtgctaaag ccaccaattt aaaaggatat 360
 ggaggttata atctacenta taaaggnttt cctcggntan aatt 404

<210> 12753
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-058-P1-E1-A8
 <400> 12753

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 gttgatatag gaacagatcc aaatgaagtg ttccaagatg tggagtgggc tattctgatt 120
 ggagcaaaac ctcgaggccc tggaatggaa cgtgctgact tgttggacat caatggccaa 180
 atctttgctg agcagggcaa agctctgaac aaagctgcct ctctaactgt caaggttctt 240
 gtagtgggaa acccttgcaa caccaatgcc ttgatttgtc ttaaaaatgc tccaacatt 300
 cctgcaaaga atttccatgc cctcagagg ttagacnaaa atcgtgccaa atgccagctt 360

gctcttaaag ccggtgtttt ctatgacnaa nttgttgnat aatgaccnta tgggggaaat 420
cacncccnng nancng 436

<210> 12754
<211> 428
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-G7
<400> 12754

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tcttcacgct tctcatcgat ccttagcctt ctcttgatct ccatctccat agcttcggct 120
gagattcgta aatcagagat ccgatccgat gatcgctcaa tcanccttt agacgaattc 180
ggtttcactc acagcggtcg tcttgagctt gacgcttcca agatctggnt ttccaacagc 240
aatcccgatc tcatctctc caaagtgggc ttctttcnct gcactagaga cgcttggggtt 300
catgtgatcc aacagcttga agaagaagag atcacgtgcg ctnacaatc agatctcgtn 360
aagcatgtgt tcaccttcaa caatctcaag ggaggagatn agagcagatt cnncaacggt 420
nntcnagg 428

<210> 12755
<211> 393
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-058-P1-E1-A9
<400> 12755

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ctcttcttca aggaagccac cacatcgaga aacatctgtc gaggcacgg acgttgatta 120
ctgtggctcc gaacgcttct gtgattgggtg atgttcagat caataaaggc tcgttcattt 180
cgtatgcaag tgtttctcgt gatttgcagt atcctcgtgc aatgggaatg ggacagggtc 240
ggagatttag cgaagatgtt tctcacatgc ctgaaatgga agactctgat gttctgaatg 300
cattcaaagg acttgatggc tgcagattgg gctgaagctt ccttctgctg ttgttnaaag 360

gcntatc

427

<210> 12758
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-D2

<400> 12758

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aggatagaga tgacaaaaga agaagagcgg agttcatttt gagacagtgt atggagaacc 120
cagtagacct caatcagttg taaaataagt gattcattac agtctgtgta gcgtactatt 180
aatcttgtga tttgtaacct ttctttatac aggccatgt tatgattatg attttgtgac 240
tgaaagaatg agaatttcta acctatcttt taggcaattg atatgatgtc tttctcatga 300
gattcttggt acataactta atggttagttt caaaaaaaaa nngcgnnggn nacgggnnna 360
aaaaaagggg cggccgctct anaaggatnc aaggcctaac gntaccccg gnatgncnnc 420
gtt 423

<210> 12759
<211> 283
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-D3

<400> 12759

nattaanccc tcacactcac agagaccgga gaanangcag agagaaagag agagagagag 60
attcaccggg tgataacatt gangcagaaa gattctccgg tgataacatt gangctgang 120
agcaatgtat ccgactgggtc aacagatttc gtttcaganc actccgttga atgttcagga 180
tccaacaang atgatgaatt tggatcaatc ttcaccagtt gcaaganatg aanctcagaa 240
tggaggaggc attgctcacg ctgagtttgc natgttnaan tcc 283

<210> 12760
<211> 56

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-057-Q1-E1-D9
 <400> 12760
 aattcccgaa aattggatgg gtgttatccn gttaaanggc gaaaaaacgg gcgcca 56

<210> 12761
 <211> 366
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-057-Q1-E1-E2
 <400> 12761
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 agggaaattc cgcnaantt naatttgcna tngatacnct taccggcgaa tcattcgcca 120
 tcaaaatcat cgagaantcg tgtatcacac gtcttaacgt ctcttttcaa gattaagaga 180
 gagattcgaa cactcaaagt tttgaagcat ccaatcattg tccgattaca tgaggctctg 240
 gcnagcaaaa ccaagatnta catgggttctg gaangtgtca ctggaggana cttatttgac 300
 agaattgtct cgaaangata actttcggaa acacattgac gaaaaatgtt caagcagtn 360
 aantga 366

<210> 12762
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-057-Q1-E1-E4
 <400> 12762
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 gtttggagta gctgcaagcc aaggagcact tcttcttgct ggaggtgaaa aangaatgcn 120
 ctatgcaatg ccaaatactc gtgtcatgat acatcaacca caaactggat gcggaggaca 180
 tgtaaaggac gtnaggagac aggtcaatga anccatcgaa gcccgacaaa aaattgacag 240

gatgtatgca gctttcactg tgacaacctc tgggagaaaa gtgcagcant acactgaaag 300
 agattcgntt tccctatcan catctgatgc cgctttgagt tccgggctca ctgganngtc 360
 ctattgggaa acanaatacc tgaancancc tanaaggaca atgnnc 406

<210> 12763
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-057-Q1-E1-E6
 <400> 12763

tttttaaant tattttttat tttttggtaa tcgtttctaa gaaatctctc ctcccgttgc 60
 ctgtggactg cctgaatcaa aagacaatgg caacatgttc ttcaagctta ttggtgttac 120
 caaatttgag attgagttct aaccaaagac gcaatttcaa ggtaagagct caaatctctg 180
 gtgaaaacaa gaaggcgaca tcattggaac cagtgaacaa caacggttcg gtctctttgt 240
 ctactactgt tcaaaaccaa aaaggggcaa atgaagtga tgggaaagg aaatccaaga 300
 gaaagatagt gagtgatgaa attgagttgt tatgggatga tgggtatggc tccaaatctg 360
 ttaaagatta ctttgctgcg gctaaagaga ttttgaaggc tgatggtggt cctccacggg 420
 gggtttaatc 430

<210> 12764
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-057-Q1-E1-E7
 <400> 12764

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 aaaccaaacg caggttcgac aactacggga agtacggatt gttatgcggg tcagacgggt 120
 taccgcactt gatagtgaac ggagaccagc ggcattgggg agagttcatt actccaggga 180
 ttcttttctt ctacattgct ggatggatcg ggtgggttgg aagaagctac ttaatagcta 240
 ttagtggtga gaagaaaccc gcgatgaaag agatcatcat cgatgttctt ttggctagtc 300

ggatcatctt cctgtgtttc atttggcccg ttgctgcta cagagagttt ctcaatggtg 360
atctcattgc taaggatgtt taaaaagga acttgtttcc cgcttttggg ttactcnncc 420
ctaaa 425

<210> 12765
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-E8

<400> 12765

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gggaaggtct ggagatcaag gtggtgaatc caccggcggc ggcgacaaac aatgtggctg 120
tagaaacgtc tccggcgacg gcgacgagga gacggagaca acaacaacga gcttcgttcg 180
ctgagtttag accgtttaag ctttggtttc catggcttgt tccagctatc gtggtggcta 240
acattgccct tttcgccatt tcgatgttta ttaacaattg tcctaagaac tcggcttatt 300
gcttagctag gtttcttggg agatttgctt ttcagcctat gaaagagaat cctcttctgg 360
gtcnttcttc nttgacattg gagaagatgg gggctttaga tgtatcaatg ggtggttcat 420
aag 423

<210> 12766
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-E9

<400> 12766

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ctcactggcg tcatcgccga gatcggagta cgatagtcag ccacgcgtac ggttcatgtg 120
tacttttggg ggaaggatct tgccacgtcc gccggataat cagctctgtt acgtcggcgg 180
cgataatcgc atggtcgctg ttcacgtcga cactactttc gcctctctcc ttagtanact 240
tgccnaantc ctccggtaan aagcaacata agcgtgaagt taccagctnc canncgaaga 300

tcttgacgcy ttgatttccg ttgcaacgga cgaagatttg nangaacatg atggacgaat 360
acgaccgcn tcgcacagaa tcaaaagccc acngggcctc tcgtcttcgt cctttttcc 419

<210> 12767
<211> 108
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-F10

<400> 12767

tgggctgcan cgtatgaaag aancancgtt gagtcttcac aagaattact ggatagagca 60
ttccgctgat ctgactgntg aagctatgat gcttgactcg agagcttc 108

<210> 12768
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-F3

<400> 12768

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cttaactaac gcaagaacac tttgtgtatc tgatcaaaat tatgggaaga aatctcttgg 120
ncatgatcgt tttagatcag ctccttccaa aacttttagg cagatcaatt gcagaacttt 180
tcaatctggt gtgggtttgc ttccaagacc taagagaact tcttcaacac ctttaaccaa 240
aggagctctt tctcaagttc agtctcctcg ttctcctaag tccgttttac cggtttttca 300
tcattcatct gttgacagtg gtagaaccag tccattcca attgctaatt gcagagggtc 360
tcaagatccg taggtgttct aagtgagttt gttgacaaaa ggagaagcct ttcttattct 420
gagctatggg cangacctac ttactccaac tcacctcaa cgtgcntcng tgcccgaatc 480
ccaangt 487

<210> 12769
<211> 236
<212> DNA
<213> Arabidopsis thaliana

1. The first group of people who are interested in the study of the history of the world are the historians. They are the people who study the past and try to understand what happened and why it happened. They are the people who write the books that we read in school and in university. They are the people who tell us about the lives of the people who lived in the past.

<210> 12772
 <211> 144
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-057-Q1-E1-G1

 <400> 12772

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 gtgganagtc actgtgattn nact 144

<210> 12773
 <211> 53
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-057-Q1-E1-G10

 <400> 12773

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<210> 12774
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-057-Q1-E1-C9

 <400> 12774

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 ggacccgaca aagaacgtcg atgaagatgg tcgagagaag cgtaccggga cgtggcttac 180
 ggcgagtgcg catattatca cgggcgtgat aggctccgga gtgttgtctt tagcatgggc 240
 tatagetcaa cttggttgga ttcgcatggg aacatccgat tcttactcaa ttttctcgt 300
 tcantaacnt acnttaanct ccaancatgg ccttgcccga attgctaacc gttgcgcgg 360
 attcccgnrc aaccgggaaa acgggaattt acaccttaca atggaagttt ggttcgattc 420

ttacccccgg nggtg

435

<210> 12775
<211> 124
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-G11

<400> 12775

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tcgatctatc tcaactcaag tgggtgcgtaa ccggcatgaa gagggttnag ancagccaga 120
agat 124

<210> 12776
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-G3

<400> 12776

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tttttctcta cccatcgatc tacacatcct gatcttnta gaagcccca tccttataca 120
ttccgggaac aaaaaaccta gctttttttt tattccggct taaccagttt tcgaaaaacc 180
ctagcttcca tggcgaaaac tcgacctggt gtcgcctcca aaattaagac gggaaggaag 240
gagctggact cttataccat caagggcacc aacaaagttg tgagagcggg agattgtgtg 300
ttgatgcgcc catcagatgc tggtaaacca ccatatgtgg cccgtgttga gaagattgaa 360
gctgatgcga agaacaatgt gaaaggtgca ctgtcgatgg tantaccgcc ctgangagtc 420
act 423

<210> 12777
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-057-Q1-E1-G5

<400> 12777

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aatcgcaaaa gaagaaaaat tcggatcaaa attgtcttca agcatcatgg atccatacag 120

ggttcgtcct tcaagcgctc atgattcccc tttcttcaact aaaaactcgg gtgctcctgt 180

ctggaacaac aactcttctt tgactgtcgg aactcgaggt ccaatccttc tggaggacta 240

tcattctgctt gagaaactcg ctaactttga cagggagcgg attcctgaga gggttgttca 300

tgccagggga gccagtgcta agggtttctt tgaagtcact catgacatta cccaacttac 360

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ctngtca 427

<210> 12778

<211> 726

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-055-P1-E1-H9

<400> 12778

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ttcggtgagt cctcgaaata aaaatcggat gatgtcagaa agaattttta tccaaacatt 120

aattggtcgt gtcttagcag acgatataata tataggttcc cgatgtgtcg cctttcgaaa 180

tcaaagatcc tgggattgga cttgtcaatc gattaataac ctttgggaac acaatcaata 240

tccattcgaa ctccctttac ttgtcggagt acatcttggg atctgtcgat taagtattgg 300

tcggagtccc actcatggtg anctccgttg aanttggggg aaagctgtta ggtaattatc 360

gccggtcaat ccgatccngg cgaaaccngg ggactccaac taacaattaa agaaactttt 420

caaaaccggg cnggagttat ttacaaggan ggtactggcc gaaacaatgt tccaaacccc 480

cnttataatn gggaaaaatc caaattccaa tggagggatt ttggntcaaa ccnaaaacg 540

tnaaacgtta acggggnatc ccngcccttt ccaaaggnta aaaaaaaact tgnccggtaan 600

ttattgnnaa ccnaaaaatt ttgttcaaan ancggtgacc aatnccacc aaaaaaantt 660

ttcctttaan tcaaaaangg gccaaaantg ttccnacnaa ntttccaana aacccccnan 720

gggnnt

726

<210> 12779
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12779

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gaaaaaccct aagctctcgt ttttcgtctt ctccgattct gcaagtatga gtcgatcagg 120
tcagcctcca gatctcaaga agtacatgga caagaaactc caaattaagc ttaatgccaa 180
cagaatgggt gttggaactc tccgtggctt tgatcagttc atgaatcttg ttgtggataa 240
cactgttgaa gtcaatgggt gatgacaaaa ctgacattgg ggatgggtgg tgataaagag 300
gaaacagcat tgtaactgt tgaagctctc gaaccagggt gggaagatnn naagcttatg 360
anccttcacc cccaaagtaa tcatccntct ggtaaagatg agaacnttga cnttactttg 420
cncg 424

<210> 12780
<211> 233
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-A2

<400> 12780

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cgcatccttg attttgggat actgtttttt ttttttttaa tcttgntca ttttcacgtg 180
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<210> 12781
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-A4

<400> 12781

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caagatgcaa aacgaagagg gtcaggtcac tgagctttac attcctagga aatgttctgc 120
tactaaccgg ttgatcacat ccaaggatca tgcctctggt cagctcaaca ttgggtcattt 180
agatgctaata ggcttgtaca ccggacagtt cacaaccttt gctctctgcg gttttgtccg 240
tgctcagggg gacgctgaca gtgggtgcga cagggttggtg cagaagaaga aggttgaagc 300
caaacaaaac taagagctta atctgtcttg ttttttgtcg aatcttggtt ttttttttcc 360
gaaagattgc ctcatactga agtaatgatt ttggcnttgg gtcgtgggaa cttaactaaa 420
tg 422

<210> 12782
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-A5

<400> 12782

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aaaacgagta ggcttaaate tacatctgtc gagaagaaat ctgttgcaaga gaatggattg 120
cctgggaatt tgggtcaaagt ctctgttaat ggtaaaagat tagcggcggc caatatccaa 180
tggagttcac tccctccatc tctttcgagg atgggacagg aagtattgag gcatagagaa 240
gctgctcaag tagtcgaat agaggccctg caagaagcct ctgcttccga gagcttactt 300
cagtgcctca ttatgtactc cgatcttttg tcaacggcga aggaagatga tcattgccag 360
tcgttgagca gttcttgaaa gccccattnc cgggtttgaa aaaaccnccn aagtntng 418

<210> 12783
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-A7

<400> 12783

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gtgtttttcag tttatcttaa ctttggttta tttctcaatt ttacgattca tggttctgta 180

aatccatatt gggcagtcctt ttcataaaca aaacgaggtg tgatgctaaa tttcattggg 240

acaacgctat attgtagaag acggtgaaga ttgttatacg ttttgcaagg cagggattta 300

tgatgacact cctccgggtc gttttgcttc cttgaaggca attgggtttt ccaanttang 360

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gnaacg 426

<210> 12784

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-056-Q1-E1-A9

<400> 12784

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aagctacgga atcgttattc tctctttact cgttttctct ttcattgaat ttggcggtta 120

cgctcgcccc gtcgtttctg tctctncaaa tgacgatctc aatagcggcg gcgatgataa 180

cggagtcgga gagtctcttg acttcgatga gtttgagaaa tccgaaccta agtccgaaga 240

ggagcttgat cccggttcat ggcgatcgat ctcgagccag atgactcaan agtccanggc 300

agcctcgccg cagtactact ccggcctcaa aaagattcta tcggcggcca agttgagggg 360

aaattttcag gttganggaa ggaagcagtg ggatgaagat nnaaggctgg 410

<210> 12785

<211> 414

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-056-Q1-E1-B3

<400> 12785

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aatcaaagcg tagagaatct acttctactt ggcaaaatca ggaaacgtgg ttgttcttcg 180
ccgacatcgt cgacttcttc gattcctccg tgaaggtata gattcaaaag agcgatagtt 240
gttgggtaaa aagaggaagg atccactact cctgtaccta catgggagac ttatggggtc 300
gatctccttc tccacgagct tccggtgctt tacacgtgc tgcttctccg tcgtctcact 360
gcgggaagca aaaccgggta aagtatcaac tcccggcncc ngttcancta agga 414

<210> 12786
<211> 423
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-B5
<400> 12786

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agctcagtat tgttgttata tagaggagaa tctggaatca caagtagttt tattcgatct 120
gaatggcctg cggttgatat accacttgat catcatgttt tcaaagtccc aaaaggatat 180
aatgcaccac aacaagtaca cataactcaa ggtgattatg atggtaaagc tgttatcatc 240
tcttgggtta cacctgatga acctggttct agccaagtac attacggtgc gggttcagggg 300
anatatgagt ttgttgetca aggggaenta ccataactac acgtttttaca ngntnnaant 360
cnggcttant catcactgcc ttgtccnga ccttgagcaa ggannncan nccantacca 420
ggg 423

<210> 12787
<211> 56
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-056-Q1-E1-B7
<400> 12787

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<210> 12788
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-056-Q1-E1-B8

 <400> 12788

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 aagaagaaag aggattcaag tgttcatctt ttggctccaa ttccaattct caattctcca 120
 actgtggaat ggtcaagtct agtcgctgtt gggttcttate tgtacgccat taccgcagac 180
 atcaaagatt ctccatgctc taacgttttg taccttgact gtcgaacgca cacttggtt 240
 gattctccaa gattgagact ggctcacatc aatagtact ttaatgggag gacgtatttc 300
 ccaggaagct ctgaaaagcc agattctttg aactgtgttg aagtgtacaa cacaataact 360
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<210> 12789
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-056-Q1-E1-C11

 <400> 12789

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 aaaaaaagat tcataggatc ttttgcttga caatgaaaga aggaaaggat gggtttggtc 180
 gagcagatca gattgatcta aaaagcttag acgagcaact agagagacac ttaagcagag 240
 ctttgacttt agagaagaac aagangaaag atgaagaaga cacaaccgcc gtcgccatcg 300
 gtggctctgc ttcgtcttcc cctgtcactc taaacggcgg cggatttggt ggcaagagga 360
 aacagagact tgagtgggga gatngattct tcngaaactt 400

<210> 12790
 <211> 391
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-056-Q1-E1-C12

<400> 12790

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tttctcgcat ctctctcctt ctctacggaa ggtgcttatg gcggtgacgg tgagtttcag 180

caagaacagc tccaaagtca agatctttga ccgagacctc aagcgaatac atcgtgatcg 240

agcggcgtgg ctttctcgcc aaaaagaacg attcttttgt tgacgctgtt gcagataatc 300

tacttgatcg cttagaggat tgtnaagaag agttttccca ctgcattttg tttgggangg 360

atttcctggg gctgttaaga gattaccnan t 391

<210> 12791

<211> 477

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-056-Q1-E1-C2

<400> 12791

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tggctaaatg atttatctaa gtctacaagc gcgtctggtg gattaccaag tgaattgcag 180

cttgggtctac tgtctcctct atatttgagg aaactctttg aacgcatggg agctacttac 240

attaagctgg gccagtttat agcatctgcg ccaactttgt tcccaccaag aatatgtcaa 300

agaatttcag aactgctttg acaaagctcc tctgtgcca tttgaagaaa ttcgtaaaat 360

cttgcaagag gagcttggga gacncattga aagtgtatac gaatatgttg accctacgcc 420

aantgcatca gcctcaatag cacaaatcca tgggtgcaag gcttcnangc tcccaag 477

<210> 12792

<211> 728

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-H8

<400> 12792

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gacattcaga gcttggttct tgggtctgac ctcttgtgtt ctgctcatct ttctcaacac 180
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gtggagtttt agcctcaatc ctggtccttt taacatcaan gagcatgtca ttancaccat 360
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tgttatgaaa gcttacgata gacagancct taagcttcat ctgtggtctc atcatcgctn 480
tgaccactca agattttggg gttangnttg ggctggggat tctagnagg taccgttgtt 540
tgattctggt tgacaatgtt ggggtgggct tcaanatctc cgntccaag ntccgcccc 600
ntncangang cggntggcaa cnangaagg gaaancnnt ccaanagggc ttgnccang 660
atnaggttnc tttcgaagtt agcccctngg tggcaaaggc ntnattttnc tagncanttc 720
nanggcga 728

<210> 12793
<211> 154
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-G8

<400> 12793

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gtacatccgt ggagtgcac ngaggtttct ctgncggatg aagganacng aaattgtggg 120
atcctttaac cncaacagtg ttacaaaaat ctgg 154

<210> 12794
<211> 666
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-G9

<400> 12794

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gtggcactat ccgagggatt tcggtgagtc ctcgaaataa aaatcggatg atgtcagaaa 180
gaatttttat ccaaacatta attggtcgtg tcttagcaga cgatatatat atagggtccc 240
gatgtgtcgc ctttcgaaat caagatcttg gggattggga cttgtcaatc gattaataac 300
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tctgtcgatt atgttatggc cggagtccca ctcatggtga cctccgttga attgggggaa 420
gctgttagta ttaacgcggg tcaatccgaa tcgggggaaac gggggactca actaacaatt 480
aagaactttc aataacgggg ngngnattat naccaggga ggtactggcc aaaanangtt 540
ccaaaccccc cttnataagn gggaaaaatc aanttcaatg aggatttggg tcacccnana 600
cgtaaactgc nacggggaat ccngcctttc aagggttaaaa naaacnttgc cgggaaattt 660
ttnnaa 666

<210> 12795
<211> 725
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-H10

<400> 12795

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agtacatatt ggagaataat gacctacttg aaaaattatt gcatcatttt gatcatcaaa 180
ttgaaatagt ccatctcttt tttcttttct tttttcgtct aaaagaaata gtccatctca 240
aaactttaat atanaagctt gcttgatagg ctttaagggtg tgtgttcttt gttgccccaa 300
caaaaagttc taagttccaa atatagcgga ttcattgggc tccgaacaaa tgagaagaga 360
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aacaatatga aactgataat taattccggt tttaacttaa aagaaacctt tgaatttaaa 480
 agtagagata agtaactttg tagtancgtg ttatcagctc taagttacca gaaaccttta 540
 aattttgtan aaagataagt aaatttgtag taatcattnc catttancaa naangtacac 600
 gatttcctaaa aaatngaaat tccccngccg caaagggngg ccggaanaat gnaaattcgg 660
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 anngg 725

<210> 12796
 <211> 596
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-055-P1-E1-H11

<400> 12796
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 ggcgagttct gttagctcaa taaccggaga atcgccacag aagaaactgc ttcaatcggc 180
 gtcttcttct tcttctctgg caatacttca tgacgaaatc gctgtgagtt gcttcgcang 240
 cgtcccgaa atgttactan ccgnggattt cactcgtctg caaggaactt canggggtta 300
 aatgggttcg ccgggagatc tacatcgaac gggcaagtta nttcgtccgc actgaaaata 360
 tccctaatat ggttgcaant tagatcaaga agctanaaaa aacccttaa ctngggaaca 420
 aaactccaat cctaaaaacc cctttgggaa caacaaggga ttaanccatt agattaantt 480
 ccgggttcca tcattccctt caattcccng ggatatggga acaactatta ancncgtccg 540
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<210> 12797
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-055-P1-E1-H3

<400> 12797

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 agttttgccca cggaatgttt ttgttgtcaa agtagtagta tatctgggta tgggaaagtg 180
 acagatttag ttttaattaag ttgaatccct tattagtcac atgcattaag ttaagtaaac 240
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 aanaannaan aaanggnnnc aaagnnnann nngnatcnta agcnc 405

<210> 12798
 <211> 811
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-055-P1-E1-H4
 <400> 12798

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 actccacgca atcgagtccc tccgcgggat tctccagtaa ctccggcaac tcaaaatcgg 240
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 ttaaagcctg tattcggttg agagtttcct caattgttgc gcgatgaaca aagttatcct 420
 gggatgatgct tgtgtatccg gtggaatgga taaagagacc tgtctttctt gggttattac 480
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 gctacgaagg ggcttctcgg tcctccgtaa gtccctgggt gggnggttg ttaaggtgta 720
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<210> 12799
 <211> 750
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-055-P1-E1-H5

 <400> 12799

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 tggaatatgg cagagtgcga ttgggttatga tccttatgca ccaactagta aagaagagcc 240
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 ggagaagggt ttggtaaang tgaaggttga cggangtgag gtanttgaat aaaggangaa 540
 nggagaattg agaagttcct gatttccgaa ngtttgaatt cctgaanaat gggagaggga 600
 ttaattgnct ganaagggtt nnggaangaa ncaanagggt gggagtnntg tttaanngaag 660
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<210> 12800
 <211> 750
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-055-P1-E1-H6

 <400> 12800

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catacccgtg ccgctaaagc cactgcttac tgctcggaaga ttgtgaggaa cgttgtgacg 300
 agagctacta ctgaagttgg tgaagctcct gccactacta ccgaagctga gactactgag 360
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 cgggcaatcg atangcttcc attggtttcc tgggtggtcc ttgaacttgg taggcatccg 540
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 ngnccttggg ttgagnaaag gtcaanggag cacanttcna nggnccttat taggggnaca 660
 gctggaatta aaaggaggagg aangaaagan gnagaagaac ctttttgngg ggcaattcan 720
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<210> 12801
 <211> 744
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-055-P1-E1-H7
 <400> 12801

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 aactacacgt ttacaagta taagtctggc ttattcatc actgccttgt ctctgacctt 180
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 cttgggtctgc agggaatcat ggaagnaaga ttaacatgcc atacatgggg ggaggtgaca 540
 cctttcaggg aattacctca gcggtacacg aacgncctac cntannctca anaagtttng 600
 antcctctnt ttgggtacgc tggntagggc gttnaaccgg cncanatcna ntnntcctct 660
 cnagcgaatn ncccttttgg gaaangtaaa acnncngcat tggcactggn ctttngtgaa 720

cagctnacaa gnatttnagn agtg

744

<210> 12802
<211> 757
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-G7

<400> 12802

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actaacaatc ttgcaagatg gaaatgagaa atgctcgtat cagcattgtt ctattggatc 120
aacttttcacg cctaagcttc gaggaagatt tttagcgaca gaaaacttct tttacacctc 180
taagttcttt gggttgggag aaaaagcgtg gctatcta atgatttcag ccggagagag 240
attctgtgga gaagattggt caaagttgag agtaaaagac ccatcactcc atgaagagga 300
tcttcttcgg tattgtttct catctgcata tattgtgtca ttgcttcacg atacccttgg 360
cattcctctt gatgatgaaa gaatcggata tgcaaatcaa gcangagaca taccgctcga 420
ttgggcttta ggtgcattca ttcaacagac tgcaacagag acctctcaac atgcagcctc 480
cggtaatctc cattgggttcn atgctccttt tcagtaantc acccnganga cgcttnacta 540
atctcaatcg ggataccgat cccttaagga cagnttttgg taaaatttgg gnaacttaag 600
ntggngaaan acggcaanct gaaaaaccga tttacgaacc ntgaagaaaa ggtccgggna 660
caanaagtgg actcngaaat naagaagaat ccttgggtta ntaaaancngg ttttccgcna 720
aagcttcccg ggcncncn aaatgnetta aggaatt 757

<210> 12803
<211> 719
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-F3

<400> 12803

aacaagaaac ttctcaacc tcttgaagat ccaccaaccg cttcttcaag cgaagacgtc 60
gacgaagaga tttcatcagg agaagatgaa aaagaacata tctccaattc ttcttcttct 120

gaagaagaaa acgaactcaa agatctctcc actcaaacc taaattctcc ttccaccgag 180
gctccaactc tcgattctgg atctgagaca aattccgact cagataagcc aatcgtctta 240
accagtcaga agaagaaaga aggtactgat tcatcaggga cgaagcgagc tagtgaagga 300
actagctcaa aggacatcaa aagagctaag aaagtttcag gagatgacga taacaaaaaa 360
tttcagagtt tatggactaa agaagatgag atctctctgt tacaaggat gattgatttc 420
aaagctgaga caggtacaag tgctcatgat gatatgaatg ggttttttga tattgctaag 480
agatacataa gctttgatgt tagtaagatt caattcgggtg acaagattag anggtttaaa 540
gaagaagtat ttgnggtag ggaagaagaa anggttaaac ctgggtnaag gntaaggaaa 600
tgttggggaa tnggctaaag tccaattggg ggacttgatn ggnaaggaaan ttggtgggtc 660
cntggaggnn aatccgnga cgtcnaantg ggtttgaga aanccttttt gggtccggg 719

<210> 12804
<211> 738
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-F4
<400> 12804

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actacgacgg tgaaggcaat taatccgttt cttccgtcta ttacacgtcg tgtagttcc 120
cgtctcttcc aatcagatag tgtgctacag ttgggtggga ggttgaagaa accaattagc 180
aggcctttgg acatgtcttg tgtctctaga aaaattggat ttttcggaga ttttatgtca 240
catggtgggt aatttttaggc tattcgcggc ggcttctcca gcggttgaaa ctagtgtaaa 300
ggaanacaaa cttccagctg atcttaaggt cacggagact gtacaggcga attcaagtgt 360
gaaattgagt gtggaagttc cagaaattgt ctgtgaagat tgttaccanc gagtccttac 420
cgaattcatg aaactctcaa aggtgcctgg attccgtcct aaaacaagag ttccagagaa 480
tattattggt ggttttcggt gggaagnaan atgttctgag aagcaactgg ttgnatccat 540
ncttaaagga gaacacttcc tcaagccaan ggaatcaagt gaactggaaa ggggctttaa 600
angacncgan nacagaattg ttnagcaggt ttnccagaa nnnngngaaa ggggttatcc 660
taaccncaaa gaacccttan gntnangaag gggggttgn tganggttnn ancngaacc 720

tnnaattgga atnctttg

738

<210> 12805
<211> 753
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-F8

<400> 12805

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acagtgaatc aggaaccaag ggcacacttc tgagtattga atatattttt atacaacaaa 120
acatctatctt agaaccaagg ggacaagtga atctaact tttttcttta ttgaacaatt 180
tgggttcgttg tgttgtaact gttgttcatt gaaagcttcg gttcgttttc aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaggc cggccgctct anaggatcca agcttacgta 300
cgcggtgatg cgacgtcata gctcttctat agtgtcacct aaattcaatt cactggccgt 360
cgttttacaa cgtcgtgact gggaaaaccc tggcggttacc caacttaatc gccttgacgc 420
acatccccct ttccgcagct gggngtaata gcgaanaggc ccgcaccgat cgcccttccc 480
aacagttgcg cagccctgaa tggcgaaatg gggacgcnc cttggtacggc gcattaancn 540
ccggcggggg tttggtgggt tacgccaan cgtgaccgc ctaacnttgc canngccct 600
aacgcccggc tccctttcgc ctttcttccc cttcccttcc ccgncacgtt cgccgggntt 660
tccccggttc aagccnctaa aatcgggggg cccccctta angggttccc gnnttantgc 720
ctttanggga accncgaacc ccnaaaaaaa ttg 753

<210> 12806
<211> 621
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-F9

<400> 12806

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gcatgctccc ggccgcatg gggccgcgg gaattcgatt catttctcta tattgcaagg 120

aagatgtag gaggaagtt catggagtga ttgataagtt tgctgagcgt ggacttcgct 180
ctttggctgt tgcaagacag gtcttttcgg ttactatata tcgtgaaagt ttatgtgtcc 240
ttgtttcttt attgtgattc atatcgattt gaatgggtgca ggaagttctc gagaagaaga 300
aagatgctcc tgggtggccca tggcaacttg tangtctttt acctcttttt gatcctccga 360
ggcatgacag tgccgagaca atcangangg ctttaaacct ccggtgttaa tgttaagatg 420
ataaccggtg agaatcataa gttaagtcct tggctctctg cacttcatat tgcntgaaac 480
taattttctc ntctgactga aaccagggga ccagcttgca atatagaaga atgaatcact 540
aagtggaaant cccggnccgcc ctgnangtca accaaatngg naaaantccc aaagcctttg 600
gatgccaaac cttgagttaa t 621

<210> 12807
<211> 65
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-G10
<400> 12807

taatccacca aaangttttc ttttagttcc aggggtgtca ttttgtaccn ccatttccgg 60
ggnaa 65

<210> 12808
<211> 768
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-055-P1-E1-G11
<400> 12808

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ccaacgcgtt gggagctctc ccatatggtc gacctgcagg cggccgcgaa ttactagtgt 120
attgtcttta cggcgagtgc tgttagcgtt aaggtttcat ttagcgcctc aaatagatcc 180
tgttcaggaa ccggatcaag gagttcctcc gccgctggac ctaccaaggc aacgctatgt 240
tctcttgctt ttgtcagcaa gatagccaga tcaatgtcga tcgtggctgg ctcgaagata 300

cctgcaagaa tgcattgcg ctgccattct ccaaattgca gttcgcgctt agctggataa 360
 cgccacggaa tgatgtcgtc gtgcacaaca atgggtgactt ctacaagcgc ggagaatctc 420
 gctctctcca ggggaagccg aagtttccaa aagggtcggtg atcaaagctc gccgcggttg 480
 ttcacaaagc cttacgggtca ccgtaacca gcaaatcaat atcactgtgt ggcttcaggc 540
 cgccatccac tgcggagccg tacaaatgta cggccaagca acgtcggttc nanatggcgc 600
 ctcgatgacg ccaactacct ctgataantt gagtcgatac ttcggggaat caacggcttc 660
 ccccaaagga tgtttaacnt ttgttttagg gcaactgccc tgctgcgtaa caatcgttgc 720
 ngcnccataa natcaaacna tcnacccaan ggggttaann cgcntgng 768

<210> 12809
 <211> 705
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-055-P1-E1-G2
 <400> 12809

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 ttctctctct ttctctgcaa tggtctctct taccctacta cttctctctc tttcaacacc 180
 catcaccatc gtcaccactt ggccaagcac aactacaaag atgctctcac taaatcaatc 240
 ctctctcttg aaggccaaag gtcagggaaa cttctctcta accagagaat gagttggaga 300
 agagactctg gtctctctga tggctctgct cttcatgtgg atttggttg agggttacta 360
 tgatgcagga gacaatatca aatttggttt cccaatggca ttcacaanca caatgctttc 420
 atggagtgtg aattganttc ggtgggactc atgaaatctg aantacanaa cgctaaaaat 480
 agccgattcg ttggggctaa ctgaattatn ctncctcaaa ggcnaactca aaancttgaa 540
 gacaattcta ggttcaaggt tggtnatnc tnnatanaag ncnanttctt gntggggaaa 600
 ngancctnaa naacatngnn tactgggtata gaantgtgtt taaaagggt gatagagaac 660
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<210> 12810

<211> 708
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-055-P1-E1-G3

 <400> 12810

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 ctgtgtctgt gaactacgac cgtggtgagc atgaggcttc ggtcaacatc ggcgggctca 120
 ggaaagctga tattccgaga cgttaccgaa ttcgggttga gaacgaccgg ttccagaagg 180
 attggagtgt atcggagggt gtggaccggc ttatggctct caatcgttgg gaagaagttg 240
 atggcgttct taattcctgg gtcggccggg ttgctaggaa gaatttcccg gttcttatca 300
 gggagcttag tanaagaggg tgtattgagc tttgtgtgaa tgttttcaag tggatgaaga 360
 ttcagaagaa ctactgtgca aggaatgata tatacaatat gatgattagg cttcatgcta 420
 ngcataattg gggtgatcag gctcgtgggc tcttctttga aatgcagaaa tggganctgc 480
 aaaccgggat gctgagacgt tcgaatgctc cntatcaatg cccaatgggc caagctgggc 540
 aaatggcgct tgggcctatg aatccttaat ggatgacatt gttacgtngc ngccaantgc 600
 ncccantnccg ttcaacctaa aattaacctg atnaatgnccn tgtgggtccn agtggnaaac 660
 tgggnaaaaa ngntcnngga ntttnccagn aaantggccn nttaactg 708

<210> 12811
 <211> 734
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-055-P1-E1-G4

 <400> 12811

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 agctttctcga tcaaaagaat catcatggga ggaggaagag ctatggcgac ggcggcgaag 120
 gttgctggaa tcggagttgg taaaggagga ttcaagggat ttggatttcc tccggcgact 180
 gagcagtttc gtgttaaaac cgcggcggct gcggcgctcgt ctaaaccggg ttcggcttcg 240
 attacatcgg cggttcatcc ttctgttgaa gaagatggga tgattatgca gagaccggtt 300

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-054-Q1-E1-B9
 <400> 12813

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 ttgaaatcng tatcacggcc cangtatgaa gcatcgtctt cttcttcgtc ttgttcgtcc 120
 naagncaa at tacattctca gaaggagctt ccttttccan tccggcaaga ccacaccatc 180
 gccgttggac ccttacgaca ctctgcancg tcgggtcgcg agatncggag atccctctgc 240
 ttcgattatc aaagtgttgg atggatggct tgatcaaggg aatctgggta agacttcgga 300
 gtcctatagc atcatcaaga tgcttcgaaa gttcagccgt ntctctcacg ctctcnagat 360
 atcagattgg atgagtgagc atagagttca tgagatctct gaangagatg ttgcgaatcg 420
 gcntgatttg attgctaaag ttggtggttt gggagaagca ganaagtttt tcgaaaacta 480
 ttccta atgg nnaagganga actaccatct ctacgggtgct ctccttgaac tgctangcta 540
 ncaaagaang tgttgcacaa aagctgaagc aagttgtttc aaggagatga aaanaagcnt 600
 gggcttcccn taaaagggttg tccttcccca caaangtgaa ancctnaatc ccnaagtcc 660
 cgggactggg gaaaatacac tatgggttta aaaaagccgg ctgcnccnaa attggaagga 720
 ttaaaaa 727

<210> 12814
 <211> 65
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-054-Q1-E1-C10
 <400> 12814

tanccagccc tantctgctc cgttcta atc cgnaacgcct tccaaagtta tggtttgatt 60
 atnag 65

<210> 12815
 <211> 769
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-C11

<400> 12815

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gtccgccttg tangcaatca tggcagggaa aagagaaaac tttgtgaggg tggatgattt 120
ggactctagg ttaccatcat catctgtagc cttccaacag aactacgcct ccaatttcag 180
tggacaactt catctattc atgcaagcaa tgaaacttct agatccttca agaaaggat 240
ccatgaaggg ttccaaaggg cttaagtcga tcggacgttc acttggttcc ggtgtttatc 300
gagcagtgtt ccagaaanac cttaaagtat ctgaaaagaa gatatttgat cctcangata 360
aatccctttt gtattgcaat aaattattcg ttgcgtcatg tattctttca gtgtttgtgg 420
accctttttt cttctatctt cctgtgatta atgctgagtc caagtgcctg ggtattgaca 480
agaatactgg ctatcacagc aagtacattg cggnccttta tcgatgtgtt ttatctcgct 540
cacatggctc tccagcttat gactgcttat attgcacctt catcacgggt ctttgggcga 600
agtgaactcg tgaatgatcc tgcacagata gcaaagagat atctacaacg ttggtttaat 660
antgactttc tctcagtact tcctctccct caaaatgtan tttggagggt cctgcaaagt 720
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<210> 12816
<211> 678
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-C12

<400> 12816

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cccacgcgtc cgggtcncaa gaagcctctt ttcacctctg cccgcttgaa gaaaggggaa 120
gttttgtact tanaaantca ttcattgcagg tatgagctct gtttcgcagg agagaagacc 180
atcanagcan tccaagcctc acaacaacaa tcattcacatg aagctatgga nacagataat 240
aataataaca agtcacagaa ccatctgaca aacggtgaca aancagattc agacancagt 300
ttaattgatg ttttccgctg gtcacgatgt aagaaacctc tcccacagaa gcttatgagg 360

tctatcgggt ttccactccc agcagatcat atcgacgtgt tggagganaa tcttgattgg 420
gaagatgtac agtggtcaca aactggtggt tggattgctg gaaaagagta cactcttgct 480
cgtgttcatt ttctctcccc caactaaaaa aaacctttca tgctttgctt ctatcttaca 540
aaacttttta tattttatatt atggattana gactacagtt actttggcct atcttgctt 600
gtgtacntct tccttgtaac atttatttat atatcgctcan gaaacatcct tggcacannn 660
nnaaanaaaa aagggcng 678

<210> 12817
<211> 464
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-C2
<400> 12817

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tacgccacca aatccancca gcacaggatc gtcaaaactc caggaggtaa attgacgtac 180
cagaccacta agaagagagc tantggacct aaatgtcccg ttaccggcaa gcgtattcag 240
ggtattcttc acttgaggcc aactgagtac aagaggtcac gtttatcaag aancacgagg 300
accgtgaacc gtgcctatgg gtgggggttt gtcnngttct gcngttanag gaaanaatca 360
ttccgtgcct tccttggtga cgagcaaaan attgngacna aagttttgan acctcanaag 420
ngcaacngaa canggttgct cccaagctna tgnanacccc nact 464

<210> 12818
<211> 580
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-C9
<400> 12818

gnnnnnnnga ctgtntgtnt gctcgnctta ccggtaaaag anatcccggg ccgaccacag 60
cgtccggctt anagagcaag gacaagatgt ggcacgaagc gagaagatcg gagaagaagg 120

ttcacgatat gatggacgct gctcggaaaa gagcacagcg gcgagctatt tacttagcta 180
 aacgccgtgg agatcctatt cagtcgattc aagccgttgg ttcccgtac cgagtattcc 240
 gtgatgatgg tctttaccaa gccaccgaag atcaacaggg cttgattcct tggaatggga 300
 agcatgatgt tatgattgan agatttgatg gtcgtgctct tctggatttt gtgcgtnagg 360
 ctggttcgag aagtn tacgt ccacataaga anacggaaga ggaataagan cttgaagagt 420
 ttgttaattt tgagcgttat cgggatttga ttaagcatcg gcgtncaaga tgtcgtanct 480
 ttttaactac antttcctcc gacaaaattg tttccttttt ccatcnttga atccanntta 540
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<210> 12819
 <211> 805
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-054-Q1-E1-D10
 <400> 12819

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 gcgtccgtag gcgattatct ttcggatgaa tttcatggga acgatgatgg tatagtgccca 120
 gactcagcgt atgaggatgg aggtcagttt ccaattctag ttagtaacag gaagaaacga 180
 agaaatgatg atatgggtag tggaacaaac catctaaga gtaatacttt tatcaagaga 240
 gaggcaaaca tgtaggaaa aaatccatgg cctgagaaag atagtgggtg ctcttcggtt 300
 tctcgtgata cgggaacagg aaaagatgtt caggatatga cattggagga taaaataact 360
 tcagatcatg gtttcaatgg tggccacgta gatgtggttg aaaatttctc cactggggat 420
 cccatgttgt gtgacacttc cgctgcaacg aatgatggcg tatataatta ntccctcaac 480
 agcattccgg atgctgaaaa tgatcttanc tttttccgac aatgggagat taangaaaaa 540
 aaatgatcnc ttccnatggc tgggggtgac cataaggaaa tttttgangg atgttggaac 600
 aaacatgcct tanggaattt gtgattccaa cattccggct tgggtagtc ctttaataaat 660
 gaanggtgac cttanggggtg gttccccttc cngcccaacc caaanttagg gagaacagca 720
 aggcnccaat gacanatgat tcccaancca gacaaaatgt tgggaaatcc aangaaccgc 780

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805

<210> 12820
<211> 693
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-D11

<400> 12820

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gagatgagtc ggagatgaaa tgggtcgaag ttcctggatt caatatcatt cagcgtatta 180
atgcttggga tgaagatgat ggaaacagcg tcnttttgat tgcaccnaat attatgtcga 240
ttgaacatac tttngagagg atggatctgg ttcattgctt ggtggacaan gtgaagatcg 300
atctcgtcac cgggattgtg agacgtcatc cgatctcagc gaggaatctc gatttcgctg 360
tgattaatcc ggcgtttctc gggagatgta ncangtacgt ttacgcggcg attggagatt 420
cgatgccnaa gatctccggt gtggtgaanc ttgatgtgtc taaaggagat cgggatgatt 480
gtacngtggc ccgtanaatg tacggttcan gttgttacng cgganaaccg tttttcgtaa 540
cctanggatc ctggtaatcc cggaggcccg nngaaggatg atgggttang ttggtgacnt 600
tatgttcacg atgaaattga ctggngaat ccaagttcct ggtgaatgga cgctaaatcn 660
ccggancttg aaatcctccc cgcctttaag gtt 693

<210> 12821
<211> 623
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-D12

<400> 12821

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caaacctttg gtgacgagga ccangannaa gattgtcgca tctgatttat atcggaaaaa 180

ggtctcttgc cggaaggac acgatccgct ttcataangg agagattttg acagattcag 240
 tagacgccat ggatgtgcct atctcntggg atgctttacg gaaacangct agatcgattg 300
 aagctcagct tgacgagcag atgcattcat ntccgtacac ttgtttccac aaacgcttta 360
 tcaaaatcaa gatggtaatg agagtgatct tgaanctggg attgacttac ttcttangca 420
 actgcaacaa gttaatgctc anatgcaagc atgggtatcc tccggtgggt caagaaatgg 480
 tcncccatat tttaactcca catcaagaga ttcttcaaga tctgacacan gagtttatcg 540
 anacggntcc aantcttana gcaagacaan gagcatgcnt cacttcttga ggacnttagg 600
 gnaatttggt tcggnctana tta 623

<210> 12822
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-054-Q1-E1-E1
 <400> 12822

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 cgcttcttct actggtcttg gaattgagag aagagaccag tttcgctgga tctttgaatg 120
 aagctggatt tggattaagt tcaggtgtaa atttgttgga agatgggggtc agatcaatgt 180
 ttttcgagat tgaattcact tgagattaaa gccctaattt atcagaaaat tgggcatcag 240
 agagctgaca cttacttcga ccagctcgga aaattcctta cctcgaggat aagcaagtcc 300
 gatttcgata agctatgtag caagacgggt ggtanagaga acatttctct acacaaccgt 360
 cttgtacggt cgattctgaa gaatgcaagt gttgcctaag tctccaacgc cgaggtatcc 420
 ggaagaaatc 430

<210> 12823
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-054-Q1-E1-B7
 <400> 12823

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 aatgagttca atgagcagaa gcagaagtcg aagtagaagt cgtagtcggg atcgggtttcg 120
 tagtcggagt ccgagagaca ggagaatgag atctgaacga gtttcttacc atgatgctcc 180
 ttctagaagg gagagggagc cacgtcgtgc cttcagccaa ggaaatctct gcaacaactg 240
 caagcgacct ggtcactttg caagagactg ttctaattgt tccgtctgta acaactgtgg 300
 tcttccaggg cacattgcag cagaatgcac tgcggnatca cgttggttga actgtagaga 360
 accgggccac gtagcctcaa actggttcaa acgaaggaat ctgccactcc tgtggtaaata 420
 ctggacatcg aaccananac tgctctaatt cggg 454

<210> 12824
 <211> 331
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-G7
 <400> 12824

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 aagtagatgt ggaaatcaaa tctacggctg ataagttttt catgttctct agaagatcac 120
 aacatgcctc caaagccact cgctatgtac agggatgtga tctgctcgaa ggcgagtggg 180
 gcgaanttgg aagcatactc ttgtggaaat tanctgttga tggagagcca annntgtcan 240
 aggatangat tgagngccan tnanatcaag atgaagtatg atccaggtnc anggtgttaa 300
 gagggaccgc gncaagngaa gagtcnncna g 331

<210> 12825
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-053-Q1-E1-G9
 <400> 12825

ggatcaatga atagaaactt aggtacaaat gtagacaacg tgtatcactt gcactaactg 60
 gatgccatg gaatctccag ctagaaatgg acgaagcttt tattcattga tccctctaga 120
 agataacgat ctctctgtgt agaagaataa aacatttgc tatatcctca atgcctgtag 180

tgttgttctc ttatgttcca ttcttaggaa gaggatctac taaatccgat ccagccttag 240
 cagcagcagc tgctttatcc tcttcataag ctgcaacatg aactccaaga gccgcacggc 300
 ctgacggatc aagattcttt gaccaagttg catcccatc tacagctttc gcggtactgc 360
 aagctatact tggacctcct ggtacagtcg ctctagcagc actcttcggg aagaacttct 420
 cgaagatggt tct 433

<210> 12826
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-053-Q1-E1-H11
 <400> 12826

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 ctcagaaata tcaacaagct gctcaaaatg caacaacaga ttctgctctt ccggagctac 120
 aaaataattg caatatgttt gttgcatctg ctagacaatt ggcaaaggcc ctggaagtac 180
 cacttgtaga tgatttggga tacacaaaga gatatgttcg gtgtttgcag atctcagagg 240
 tggtaaatag tatgaaggac ctgatagatt atagcagaga aacacgaaca ggaccaatcg 300
 agagtttagc caagtttctc eggagaacag gcccttcac tgcactgcct ggtccttctc 360
 ctcagcaagc cagcgaccag cttaggcagc agcagcaaca acaacagcag caagcagcaa 420
 cagcaacaac aa 432

<210> 12827
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-H5
 <400> 12827

tcttctcac tctcttatta ggttcagttc cttttcgatt cttcgtgtgg atcgtgtgcg 60
 gtagatttcc gatttcttta ggttctgctc gaaatcgtgg tttagtgttt attatcatcg 120
 attcagaaaa cgggtgggtaa acttgtagcg gaagatgagg cgggtggccgg tggatcaccg 180

tcaaagcnat cagatctgcc tantgttttc tcatgntcct caacgatagt ttatnacttg 300
 gttagggaga actttatctc cncctggcta natccgggtt cctcngggcg ttgtttccca 360
 aacctggcca nncagcaanc aagtnatgat tggantngct ggncctggntg 410

<210> 12830
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-H8
 <400> 12830

ttgtttttgc agaaagtctc tcatctgaac tcagaaaatc tccgagttcg tatatcttct 60
 ccgtttgagc aatggcggtg gtcattgcaca catacaangg aaacaaagggt gccataaagg 120
 cacttattgc tgcanagtat gcggtgtga agatcgagga gtccgcagac ttccagatgg 180
 gcgtcactaa caagtcacct gagttcctta anatgaacct tattggaaag gttcctgtgc 240
 ttgagactcc tgaagggtccc atatttgaga gcaatgccat tgcccgatat gtgagncgta 300
 agaatggtga caactcnttg aaatggntcc ncccttaatg natncgctca caattgagca 360
 atgggattcg agttctcctt cantgggaga attgaatgct aacatgttng aaaatggggtt 420
 tgnccccaag naatggggcn anttgcccc tt 452

<210> 12831
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-H9
 <400> 12831

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 agtttcgagc tttcacttct cgacttgcaa attctcgtcc tttttactga attcgatctg 120
 ggtttttggt tttgattagt aaaataacaa aaaaaaaaaa aaggatttat cagaaatggc 180
 tgcgagcgat gaagttaatc ttattgagag cagaacagtg gttcctctca atacatgggt 240
 tttaatatcc aacttcaaag tagcctacaa tatecttcgt cgcctgatg gaacctttaa 300

ccttcaactg gtaaaacgat atctcttgat ccaaaaacga gtattgttgt tcctcaagac 360
 agagctgggc tacatgcaat tgatgtctta gaccctgata tgattgttgg ccgtgagtcn 420
 gtgtactaat tccatgagat gattgttgag atgatcggat ggggatttga agaanggaaa 480
 accntttttg gntttggtaa ganttcgcc aaagcaacag actgcaggaa acgtttggnc 540
 aatttgctaa aaagttggaa actgtttana aagcctcang gagaagaaag aagattaatg 600
 gttattaagt ccattccaat gggaaggact aattgggtga aatgtttcaa gggtcgcat 660
 aagggatana atcnaaaaag ttangttcag aaattggatt gcca 704

<210> 12834
 <211> 146
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-054-Q1-E1-A12
 <400> 12834

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 aaattcagaa acaagattac atcatgttag ggctaaacaa ggtgnagcca ccgacagaca 120
 tggcttanca tatagggcnt gataga 146

<210> 12835
 <211> 457
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-054-Q1-E1-A7
 <400> 12835

aaaaagaaca tggatttgca ttcttgcna aactcactact ttcttttgct cctcctctgt 60
 cttcttaata ttaccacat taactcaacg aagccattag aacaagaaac agtgcttttt 120
 ggcggcaact ttccggcttt ttatgttatt ggagattcat tggttgattc aggaaacaat 180
 aatcatctta caacgatggt caaatcgaat tttccacctt atggttcgga ctttgaaggt 240
 ggcaaancca ccggccgttt cagcaatggc aaaacaattg ctgattacat tgctatctac 300
 taaggctcttc ctttgggtcc tgcttaattg ggattatctc aagaaganaa gaataatatc 360

tcaaccgggt antaactacg cttctgctgg ctgtgggatt cctcctcaag acaaggaagg 420
naaatagga acatgtcnch cgttaagtgg tccaagt 457

<210> 12836
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-A8

<400> 12836

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gtccaaatcc ggacaaaccc agaagaaatc tgagatgaaa gtttcttaca taactggnct 120
taactcatat ggtggtctca aggcacagaa caacanggtt gtctcaatgg gatcaccact 180
ctgcacagaa cagtgttttg ctaacgttgt gatgtctctc aaaggaagaa gaggtaatgg 240
aggagcctta tccaccacgt gtaacgctgt cggngagatt ttcattgatt cagcaatcan 300
gnacgctctn actcctgntg gtggtgcagt tggnttcgtc ntcttccgaa tcgaaacttc 360
tggttgaaga anctgannca gagtanatag agta 394

<210> 12837
<211> 83
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-B1

<400> 12837

tttgtangaa cattgtgttg gcaggagtag gtagtgtgac tctgttggat gatcgattgg 60
ttacaangga antcttcanc gca 83

<210> 12838
<211> 310
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-B11

<400> 12838

cancttcgtc atcatcctct gctctttaca accaaattct ctgtcttctc aacgattcag 60
acgaacaatg ccancacatc antganctaa ctctcttcat aaacgctctt cancaagana 120
tatcatcgga tgaccaatac gccgtcgttt cagaaacctc caacgctcgaa gactcgtttt 180
cttcatgtgt ttctctcaaag gaanaagaag tggaanatga cagctnngag aaagtgatgc 240
agcatcnttt ggaagcttcc gatgacgaac ttgggattcc taacacagat tttggcgang 300
agtnatntga 310

<210> 12839
<211> 294
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-054-Q1-E1-B3

<400> 12839
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tctccttttt ttgattttca ccgccggaga tttttgtatt tttccgatta ttcgccggcg 120
gtttagagat aatgaanggg aggatatcan aaataggaag ctatgcaatc tcgtcttcca 180
ttagagatca gcatcagcaa ncttgtatct cttgtactac tttcaatatc cttgctccga 240
tctagaaaang tctctctcac aangatnaaa gtcttctntga aagtgataac ngag 294

<210> 12840
<211> 436
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-G5

<400> 12840
tccctgatcg tgtcgaaatc ctgtgtttta ctggaaccga gtcttttgat gtaaaaggctc 60
aacaactcat aaagacactt caaaaagggt ttccgacaaa nttcttatct tctcagatgt 120
cttccaaatt cggggttagcg ggtggaatac cggagcgacg tgttcgacct atctgggatg 180
caatcgatcc tcgtcagttc aagaatgctc naaagcttgt cacntcgctt ctcgctaagt 240
accctaaatc tccttatgct ttaccgctna aagctctgat tcatgagaga atgggggaaa 300

acagatgang cactctctgt ttggtttggg atgctaaaag agctttttgt nccanagatg 360
 anttaacgnn gnnnggattg atcntanncc gtangtacat tgncaaattt gtattgcaat 420
 agaacgtgga ttnccg 436

<210> 12841
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-D12
 <400> 12841

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 catcaaatcg tcaatcacat cagctaatta ccaatgcgag acctttgcga aganaacanc 180
 gttccttcat ctccgcatca gcatccantg tctccgctcc taaacgcgaa acagatnnga 240
 agaaacgagt tgtcattact ggtatgggtc tcgtctctgt gtttggtaac gatgttgatg 300
 cttacnacga gaaattgttg tctggtgaga gtggaancag gtttgattga ttngttncga 360
 tgcttccaag ttncgggang cgattcngtg gtnangattc gtgggttgag ctctgaaggn 420
 taaactg 427

<210> 12842
 <211> 315
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-D2
 <400> 12842

cggcaagaac tcgantgaaa aaattgtatc caagcttcgt gaaaggagtc tctctgtatt 60
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 gagagcagng atgtgtagtt tgtcggcgat tatgttgta ccaacgaagc tganaccagc 180
 ttattcagac aaacngagta acagtagcag cagcagctca ctctcgtca acaatngang 240
 atccangan aagnaccaat cganggttcc cgttgcaag gttgtttggg accggcgatt 300

ttcgaaanca tccaa

315

<210> 12843
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-D5

<400> 12843

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ccaatacgac acagatgtta cgacatggag tccaacaggt cgtttattcc aagtgggaata 120
cgccatggaa gcagtgaanc aaggatctgc agcaattgga ctcagatctc gttctcatgt 180
cgttctcgct tgtgttaaca aagctcaatc ggagctttct tcgcatcaga ggaagatctt 240
taaagtcgat gancatancg gtgttgcaan cgctggcttc anagccgacn gtcngtgtag 300
tgtctcggtat natganatcg gantcgatta gngantcttt ttactnnnca ngtcgcctcn 360
tcnggttngg gtcggccctt nggcnnaa 388

<210> 12844
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-053-Q1-E1-D8

<400> 12844

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aagagcaatc gagttagatc gagtgaagaa gacaatgttg aacatagatt gggacgatgc 120
tttgggcgat gaggaagttc ccgagctcga gatcatcgct actgacaaaa ttccgccgcg 180
tgaacctact ctttccggct atgaaccgcg cgtctctgtg cgatccctca gggataacga 240
actcgacgat natctgaagc gtcagagatc acttcttact cgtctcgggtg ataagtttgg 300
cagacaaagg gcgaagaaaa tccgnaacag atccggagan cctcgagtta cgagaagcan 360
ccnaaggatg tttccaaaca accgggncca aattggatgc agacaaacgg ntgtcagatt 420
ccccgaaaaa accaaaa 437

<210> 12845
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-053-Q1-E1-E11

<400> 12845

aaaagtacag ttccccgatt gttcagattc tctaagattc attcatcaat ctgacttttc 60
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 agagccatcg tggcgccttc tggcagcgag cggcggagat acggttaagc ttttcgacgt 180
 ttctgccgat tccggcgatc cctgcgtttt gagctatact ccgtcacctg gttgtgctgt 240
 caactccgtc aagtggaaatc atacgaattt agtgggtggcc agtacgggag aagataagaa 300
 gatatccctg tggcggaaaa atgggcagag tttaggaaca gttccagtta ctgggaagga 360
 cgggtggtgat agtgcgtgagg aatgtttatc ggctattagc ttcagcaaaa aaggctccag 420
 gtacatttgt tc 432

<210> 12846
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-E2

<400> 12846

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 gtatgcacg tccgagagtt actttgggat caacttgaaa ccaatgtgta aaccttctga 120
 ggtttcttat accattatgc caaacatggc atacttcgag tttctccctc atcatgaagt 180
 cccaaccgaa aaatccgaac ttgtggagct agctgatgtc gaggtcggga aagagtacga 240
 gcttgtgatc acaacctatg ctgggcttaa ccgttataga gttggtgata ttcttcaggt 300
 gactgggatt ctacaattcc cgctccacag ttcaaagttt gtgcggaagg aagaacgttt 360
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<210> 12847

<211> 421
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-E4

 <400> 12847

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 gtatgttgggt caaggtgatt ctggtgttgt ttacgtcaag tttgattacg agaaagatgg 180
 aaaaatcgta tcacacgaac atgggaagca gacactactt ggaacagagg agtttgtggt 240
 tgattcagaa gatacataac atcagtgaac atttactacg agaaagctcc tttggatnaa 300
 ccgatagaga ttgtaangnt ccaatcctta angacattca anggggaaaa cttctcaacc 360
 ctttgggact aanctctggg agaaagaaac tgaanctagg aagggtgggca aaatccgttt 420
 g 421

<210> 12848
 <211> 245
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-E6

 <400> 12848

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 cgtaattttg cttgaagcac cacttatagg ctctttgatt gttgattatt tgaagaaaga 120
 caatggcatg acaaagattt ttcgcaacac anttatacca gaagagccca tgtttagacc 180
 ggagttccca tcncaanaac cggagcattg atgttgctcan tgaatggcna aagatgaaan 240
 gtccg 245

<210> 12849
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-F12

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 actcannact tcaactcaact cttatcggac cttccaaact atatccttca atggatctat 180
 ggactcttca attaaaagac gtcacgatcc gaaaccctat cttctcatca tcgatccctg 240
 agaaatcatc gtcgttttct aggaaacttt gtgaattgga gtttaggttt ctcaatcgta 300
 aggtttctgc ttctccgtat cgttccttgg ttgttcgaag ctacctcgan gaagagtaac 360
 gacgattctt cttcgcctgg agatgnttct caggaaaaca aaccttccaa cgggcaacna 420
 gtccggcgat 430

<210> 12850
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-F2

<400> 12850
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 gtcattttgt cacagcaaca tgaatatgcc gctgttggat attcaaccac gaacgttgca 180
 gtttgcagtt gacctgaaga agcaaacttc ctgctggtga cagctaacca atactacca 240
 tcattatgtt gcatttaagg ttaaaaccac atcaccaaag aagtactgtg ttcgtccaaa 300
 tgttggtgtt gttgcaccta aatcaacctg tgaattcact gtcattatgc aagcttttta 360
 aaggaaccac ctccagatat ggtttgcaaa agacaaattc ttaaanccag agg 413

<210> 12851
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-G1

<400> 12851

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 ttaggcatct tagcttctcg aacaattcga ccagcttcac gtcttcttca atctcaaacc 120
 tccaatttct tcttccgcac aatcgtctca aaaccagagc tccaatctcc tgaatccgct 180
 gctgtctctg agcctgagcc gccgacacag attctccctc ctagaaaccc tgtaggtgga 240
 gcacgcgtcc acttctcgaa tcttgaagat gcgatcgagg tctttgtcga tggttacgcg 300
 gtcaaagtcc ctaaaggatt cactgttctt caggcttgtg aggtcgctgg agttgatatc 360
 ccgaggtttt gttatcattc tcgtttatct attggctgga aattgcanga tgtgtcctgt 420
 tgaggttgag aaaatctcct a 441

<210> 12852
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-G11
 <400> 12852

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 cgtggtgacc ttattcctgt tgatatcacc agacctaac ctaacggctt cgaatttgat 180
 aatttgatc tcgatatgaa tgggtatcatt catccttggt tccatcctga aggaaagcct 240
 gcacctgcca cgtaacgatga tgtatttaaa tcaatgtttg agtacattga ccatcttttt 300
 actttantgc gtccgangaa gattctttat ttggctatag attgagttgc gccgagagca 360
 aagatgaatc agcagcgttc tcgacgtttc agagctgcat tatgacgcag cacantgctg 420
 aagctgatga g 431

<210> 12853
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-053-Q1-E1-G12
 <400> 12853

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 caattaactg cagaaaatgg tgatgtgggt ctttggtat ggctctcttg tgtggaaccc 300
 aggatttcac tacgatgaga aagtgttagg tttcatcnan ggatataaac gtgtctttga 360
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 ttgaactaat ctctctcttg aaatcgcttg attgattggt ataaatcgat taatcgattc 180
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 cgtcgccatt gaaaggctct ccttttggaag agagaccggt aagaaggcga cacagtagta 300
 atagcagaac atcctctggt cctcgtttctg attcttcaac taatctttcc cggagattga 360
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 <212> DNA
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 tcttggttgc tcatacaatc agagtttgtt aggcgtgtgg gttgtagatc tctcgcgtac 180
 tgagccatgt atggctggag aactgcgca atcaaattgt catccagaga aacgatcttg 240
 ctccaggaaga gatccagtag ttctcaatga taataactca aagacagttc tcgggaagct 300
 gtccgtttcc caaaatgtag atcctttatt gaaggaaaca aagtctctan gaagattatc 360
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<210> 12856
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 aggatacttg aaagagcaaa aggggaaggct ttacatcatc agaagatgtg tggatcatgct 180
 catttggttg catgactaat ttacaactta tatgtgttat atatacatgc atatgcacat 240
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 tcttcgtggg tgtggcgatt tgtgatgtga gcggagttcg caagatagag atataagggc 360
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 tttgagttag tat 433

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 <223> Clone ID: LIB25-052-Q1-E1-A5
 <400> 12857

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gacaactcgg gtgctaggat gccacctctt tgtaaccatt gaagaactct tgagctcaaa 120
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ggataaagaa gtgctacttt ttgatttttc ttcatttggt tttctatata gacctttttt 240
ctcaagatta ggctttttatt tgcctaacca gaatgggttat ctccgtaaga ttagtcgttt 300
tttaaaaaaa aaaaaaaagg gcgg 324

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<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12858

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tccgcaattg gcttcgttac agaaagagat gatcagggtat caacggaaag acgggggttca 180
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ttgtctgttt tggctcttacc ctggtgaatt caagagtaaa gatgctgctg gtcaagtccg 300
tggctcgcca aatgaatttg caggcattgg atcaacttct gcccttcttt ggcttgcccta 360
gaaggtttgc tatattatct ggacctacta tncctataat tgggtgaaggat gatnaagnag 420
gctaatagata ggtatgta 438

<210> 12859
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12859

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ggcatcaaaa aaagcaagaa aaccaaaccg agccgaaaag aaantcacia gaagctgttt 120
caagaaacaa gttcctcaac acaacaacat caacacaagt ataactctcg atcaaacatc 180

tacatctact antgtctcta catgttcttc ttcatacaacg antttgtctt ctctcttaag 240
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gttgtagccc gaaagccaan gaagtctagg ataccggaga tggctgacgg tgtccaccgg 360
ngcccaanga anccgaaggg nttccgaaag aaccgtgntg ttgnnaccng agaacngatn 420
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<210> 12860
<211> 533
<212> DNA
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gaaaatctca gctggttctt acgtgttgaa tgctaacaaa ggaaagaagg agagaatcgg 180
aagactcttg gaaatgcacg caaacagcag agaagatggt aaagtggctt tgacagggtga 240
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aaaccccggt gttcttgaac gaatggactt ccctgatccc gtcatacagg tagcgattga 360
gccaaaaaca aaaagcagac atcgacaaaa tggcnacagg ggttgatnaa gcctcgcttc 420
aagaaaaacc ctcttttcaa ttttccccgt gattaaagaa gatgaaacca aaaccgtcaa 480
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<210> 12861
<211> 429
<212> DNA
<213> Arabidopsis thaliana
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naatcgagca ttctacttgg aatgaaagta atcatgggaa agttccatcg atatggtatt 180
cgaatcctcc ttttagggtc catcatgaag ccaaacaac cattgagcta gaatggaata 240
atgaatgcga gggaactggc tctaacctca tatcactcgg tgtaagatat canccagatg 300
gaagctatct cattgangaa ggcaatgatt ctccaagttt aaaactcaga gtaacacgaa 360
caggaaagtg cgattttaga gttgaagccg gcggattgag catgaatgtt agtcnaactg 420
cgtacttga 429

<210> 12862
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-B3

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aatagcgtac ccgttttggc tctcatctcc accaccgcct acacctccac atcatccagc 180
ttctgcgccg ccgtttcaac aaagcaatcc ggttgaatcc tatgatccag ccaaagaagt 240
gtttgatccg atgatgttgt atcatgactc ttatcaacga tcgccggcta attggtcaaa 300
taaccatcg tatcgtgaaa attctcgctc tcagactcct tcttcatcgt tttatgctga 360
caacactcaa catggaaata gtggtcctcg angtgaagat tcctcctaaa aaagatatgt 420
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aattccagag agcacnttga 500

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<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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66430-16430

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ttccgagaca gacgtcggag ggtttgacta cgggtgaagca ttgtctaaaa gcttactcta 240
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ttgtataaag 430

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<211> 463
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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ccaagaagat attttctcag cttgggtttct cttatatact tctgggtttc gcnaaactgc 180
aagcaaaatt gtctcttttt acgattttgcg gcggcgtagg ggtttcgttt agattttgtg 240
attcgtgagt gtgttcaagc tttgggagga agcaaaaatg gtgaggaaac atggttggca 300
acttctgct cacaanattc aagtgggtgc cnantaacng gtgttctctg cttactgga 360
agttgtaagc aataatantg cgntttgnta cggccccct ttttggtnng ggaaggganc 420
ncantccggg ggaagntntg natgnatnct ccgggtgntt ana 463

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<211> 53
<212> DNA
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<400> 12865

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 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 ttcttgatg gattttgttg gccatggctg gtcactcaag tgggacatgg tgtgtatgca 180
 aagaagggtt aagcgaggca atgtgcaga agacattgga ctacgcatgt ggtgcaggag 240
 ctgattgtgg acccattcac cagaccgggc cttgctttaa ccctaacc gtcaagtctc 300
 actgctcta cgccgtcaac agcttcttctc agaagaaagg tcagtctctg ggcaactgtg 360
 actttgctgg cacagccacc ttctcagcct ctgatccag ctacactact tgcctttcc 420
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<210> 12867
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 12867

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 gacaaacgga gtaacagtag cagcagcagc tctcttct tcaacaatag aagatccaag 180
 aagaagaacc aatcgattgt tccggttgca aggttggttg gaccggcgat tttcnaatca 240
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 aggacttaca cactcactca cagtgcatt acagctaaac taaccttagc tatttcccaa 360
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449

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<212> DNA
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<223> Clone ID: LIB25-052-Q1-E1-C5

<400> 12868

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cgggtgttgg gtgcctcgcc tccacgggtg cgttggtgag cgccggtgac ccttacttct 180
actacacgtg gaacgtaacc tacggaaccg ccgcgcctct cggaattcct caacaggtga 240
ttctcatcaa cggacagttc cctgggtccta acctaaactc aacctccaac aacaatgtcg 300
tcatcaatgt cttcaacaac ctgcagcagc ctttctctt gacctggagt ggactccagc 360
acaggaagaa ctcatgggca agatgggtgt gactgggact catgccaaat ccaagcaagg 420
cacaacttca cttacaattc c 441

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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-052-Q1-E1-D12

<400> 12869

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taatgttata tctcggttcc acttctctgt taccgcgcga gattaacaag gataagctaa 180
agcttggaac ttctgcttcg aaccggttcc taaaagcaaa gtcttttagc agagtgacta 240
tgacgggtgc agtgaagcct tctcgtttcg aggggtataac tatggctcca ccagacccta 300
ttcttgagat cagtgaagca ttcaaagctg aactaacgg gatgaaactc aatcttggtg 360
ttggtgctta tctactgag gaactccagc cttatgtgct taatgttggt aaaaaggcgg 420
agaatttgat gttggagaga ggagataaca a 451

WORLD BANK

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<212>      DNA
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6257

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446

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tggcaaagcg atnatgtcta atgaagagtt tgataacctt aaagaagagt taatgtggga 420
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tatcatcccg acccttatga gatngtcgac cacttccacg agcgtnatta cgacaactcg 360
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425

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 aaaccatgat caaattccag gccaattctc accactgggt cgaagtaccc ggtaagctgg 360
 gcggggagaat ggatggagtt acangggctc caaaatggga cggctctttna aacctatggn 420
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 <212> DNA
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 <223> Clone ID: LIB25-051-Q1-E1-G10
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457

<210> 12877

<211> 440

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-051-Q1-E1-G12

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gcaattgctg gcctaagtgg tgtttgtttt gttgtggtct aagaaagaat cgtaagtcaa 180

agacaacgga taagaaaaag aagaacaggg aancctcaaa gcagatacac gcgctagaaa 240

atatcgaana gggcaccaaa ggcactaatg atgcggcgaa atcaccagag gcggcacaat 300

tgaagttgg cgaagaagtt tggacnntct cctgtttttg ttgcgtctgc nggtatggag 360

aatggtgggc ttgccaagga atgcgaatcc ancttctctg cntaaagaaa gncatccnan 420

tccagtangt gttgnacaa 440

<210> 12878

<211> 449

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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ctggaaaaca tcagaaggtc agctcttgag cagaaaaaga cagaagtagt taaagaattt 180

ggtccaattg actatgatgc accagtcaag tctgaccaag aaaacaattg gtcttggtac 240

taaggttgga gttggcatag ctggtgttgt atttggtttg gtttttgctc ttggtgactt 300

tcttcccacg ggaagtgata ntccaactaa gaacacaaca gtagttaaaa atcaaatttc 360

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449

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<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12879

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gcattgatct ccattttcga caagagatcg agcaaaccct tcacatgatt taaaaagaag 240
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<210> 12880
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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agaacaaata tcaattatgt atcagctgtg ggagatcccg ggatgagaaa cgataactta 180
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442

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<212> DNA
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<223> unsure at all n locations
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<400> 12881

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<213> Arabidopsis thaliana

<223> unsure at all n locations
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<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-H2

<400> 12883

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tctgattctc gtcgccgccg tacacagttg ttgttctctg ccgtttctgc aagatgattg 180
gatcgtttct tacaagagga ttggtgatgg tggtgggcta tgcttaccct gcgtatgaat 240
gttacaagac tggtganaag aanaggcct gaaatcgagc aacttcgctt ttggtgtcag 300
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<210> 12884
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12884

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 gtgactcctc tgttggaataa ncgtgtcttc ttctccgatt cgctgatgat gcttacattg 180
 acagctacat aagcaccatt ggtgttgact tcagaattag gacgattgag cacgatggga 240
 agacgattaa gcngcaantt tgggatactg ctgganagga gcgtttcagg ancactncta 300
 gcagctatta nanaggagct catggaaaca ttangtggtt aagactgnac tgaagatgga 360
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<210> 12885
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-051-Q1-E1-H6

<400> 12885

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 atcctctgat ctctctacac acgaaccttt gatcttgacc aacgtcgatg catgttcatt 180
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 tgtgatgttt gaagtcaaaa tgggggtcaaa gatgtgcatg aacgcttcat gtggtangac 360
 ttcnactggt gaatggaaga aaggttgagg tcttcgatcn ggtcttctcg ncngatctcn 420

445

aaattatact	cttctttctcc	aaaatatctc	agactctctt	atTTTTgatac	gtcttcttct	60
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tgtatcggtg	gctagttctt	cacctactag	caattgcatac	tccaggaaca	ctctaggagg	240
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ctctccccct	gctgaagatg	acaaagctac	tatcagcctc	aaggctacgg	agctgacact	360
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<210> 12888
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-052-Q1-E1-A11

<400> 12888

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 cttctgttct ctctgtttcc tcttcgggtt ctatggctcc actctacttt ctcagaatgt 240
 gcctcgtggt aaacccaggt tgagaatggt ggatatngtt gagaatgggg aacaagaatc 300
 tagctcnatg cctcaggggt gttacnggan aagaatcgat tggatngatn ncttttcngg 360
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<210> 12889
 <211> 522
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-051-Q1-E1-F7

<400> 12889

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 actttctatc acatgaaaac taaaaaacac aaacatcaca tgtatacaca catatagtta 180
 caaacacaca tacacaaaac acagatatat aaaaatgtct tgttataata aagcactatt 240
 gatcggcaac aaagtcgtcg ttataacttg attcctctta tgtttgggtc actcgtcaga 300
 gtcacttcga ccaactgttg catgtgatcc agcaaacggg ttaacccgga cgctccggtt 360
 ctgtcgggcc aatgtaccga tncatgtgag agttcangat ttgctcggaa ngctcacgtt 420
 gcacgagaag attcgcanc cgtttaacaa tgccgccgcc gtaccacntc tcggtatnga 480
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<210> 12890
 <211> 398
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-051-Q1-E1-D3
 <400> 12890

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 gtgacatttg tttaagatac tcttggttct ggaacacata cnaagatgaa gaaagtcttc 240
 ggncaaactg ttagaagacc ttaagagaaa ggtcaacang aaagtgtca aagttcctgg 300
 aagtagaaca gaangttcta agatgctacn agtaatgagc catnggggtcc anatggatna 360
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<210> 12891
 <211> 56
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-051-Q1-E1-D5
 <400> 12891

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<210> 12892
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-051-Q1-E1-D7
 <400> 12892

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ggaantttcc cggttttacc tgcctttgaa nga

153

<210> 12895
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-051-Q1-E1-E10

<400> 12895

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gaagatcaaa gaaattgaag atgagatggc taaaacacag aagaataaag ctacttctca 180
tcatctgggt ttgttaaagg ccaagcttgc taagcttcgg agggaccttc ttgcaccgcc 240
taccaaaggt ggcggtggtg gtgctggaga aggttttgat gtgactaaaa gtggagattc 300
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tgggacattt tccgaagttg cttcctatga gttcacgact ttgacatgca ttcctggtgt 420
tatcacataa ccgtgggagc taaaatccag ttattaaatt 460

<210> 12896
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-E11

<400> 12896

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acaagagttg cttgtgaaga atctgaataa gaaagcaggg aaaacaaatc tacctcatgt 180
tcctgcggct ataggtagtg tagcttcttc gtcaaaagtt gtttatccag atacatctca 240
gatggttggt caagaccoga caaagaaatc agagtttgct aagttctgca aaccaagtgt 300
gcagcttctg cttcgaacac cttcccaagt actgtgactg caactgcaac tcatggatna 360
gccancacat tttgacgaaa ataccnaaga ctactccacc tgcattggna acattttaag 420
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6269-4-23-93

<210> 12897
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-E2

<400> 12897

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gagtgggatt cagcatagga agaactgctg gcaagatggt gtggctggaa cttcatgccc 360
catcccangc tggacagaac tttacttagc atttccaacc taatgaccag attgggttct 420
acttctanta ccaannactc tctcancgg 449

<210> 12898
<211> 74
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-E3

<400> 12898

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gtganaccgg taca 74

<210> 12899
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12899

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accgggatct cagttttctc atatgcaagt tcctcaacct tatggtcagc ttccaccgct 180
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agcccttggt ccaaaagaac agtttcttgc tcagcatccg ggtccggcta caatcanggt 360
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aaacgtggga 430

<210> 12900
<211> 438
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 12900

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ggaagaagat gcatcaaatt ccaaagaagt agaatcagtt gttaatgatn aatctcaaca 180
agatgagcat caaaagggtg agtttagtgac cgaaggagag tgggtccatgg acagcaagaa 240
caggggctat actcaggtng gaaggagcag anaatgctaa aagaaactat gttncacttg 300
gtcctaacaa gaaccaagaa gtctncaagt tctccaaaaa gttgttggtg ctaacaaaat 360
tggccaagaa gacaagttgt tggtgttgnt aacaaaatgg gccgtnccaa tcctangatn 420
aanccggttg aaaccggtt 438

<210> 12901
<211> 439
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-E8
<400> 12901

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ttgaggtgaa gagaaaggag aggtcacaag ctttgtatga gcgtaagaag caactcacca 180
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gtttttatct attcagatct tgttttcctc ccttgatca ctgttgaaag tttaatcacc 360
tcattcagtt taatttanca nttgatactc caaccctaag gaatnattcn aatacctcn 420
aacctnccaa ttaaggtta 439

<210> 12902
<211> 79
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-E9
<400> 12902

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agaacgaaat atacggnaa 79

<210> 12903
<211> 73
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-051-Q1-E1-F1
<400> 12903

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<210> 12904
<211> 448
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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 gangaccaa gaactcgcgt taancatt 448

<210> 12905
 <211> 354
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-051-Q1-E1-F12

<400> 12905
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 gatTTTTTgt acgtgtaaag aagtcacaca agaaaatctt ggggttgtgt aatcttcatc 180
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 ctgcnacagc ggtacttgaa ggagaaggga agttttggaa anattatang ggggtnggtn 300
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<210> 12906
 <211> 52
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-051-Q1-E1-F2

<400> 12906
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<210> 12907
 <211> 526
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-051-Q1-E1-F3

 <400> 12907

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 <210> 12908
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 12908

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 aagctcattt ggaaggagac aaagtgtgtg tcctagaccc agaagatcca gttctgcaat 180
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460

<210> 12909

<211> 473

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-050-Q1-E1-C1

<400> 12909

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ctcaccacaa ggatcctaaa gagtttgtat cggttgacaa acttgcagag ctgggagtag 180

ttagctggag acttgatgct gataactatg aaaccgatga ggatttgaaa aagatccgtg 240

aatctcgtgg ttactcttac atggactttt gtgaggtatg cccggaaaag cttccaaact 300

atnaantgaa agtgaagagc tttttcgaag aacatttaca cactgatgat ggagattcgt 360

tactgcgttg caaggaactg ggntanttng angtgagaag atncctaann anccttgggt 420

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<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-050-Q1-E1-C10

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atatgagtcc aagaatctca ttttcacgtg acttttgtca atcagacgca ataccaatcg 180

agaaacgtcc cttaagatca tcaaactcga aaccatcaag cctcaattca agcatagatt 240

tcgatttctg cattccccgc ggcgtaaatt ccggcgaaag cttcgatcaa ggttcttgggt 300

ccgccgatga actcttctct aacggcaaaa tcttaccaac ggaaatcaag aaaaaaccag 360

aaccgggtaa aaaagaacca gaacaaaaac cggttaaatc taaaccggat tcaagaaaac 420

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454

<210> 12911

<211> 451

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-050-Q1-E1-C11

<400> 12911

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<210> 12912

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-050-Q1-E1-C12

<400> 12912

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ccaattccta atgccgatcc gattccatct tcttcttcc accgccgatc tcgctccgac 240
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gaccttccct ccgacgacga tctcttctct tctttcatcg atgtcgatag cctcacctct 360
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<210> 12913
 <211> 524
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12913

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gatgcttcnn cacngagat caggnaaag ctctngagag atccggagac cgaatcgcat 480
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 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12914

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<210> 12915
<211> 369
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-C8

<400> 12915

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cattggcctt tggttacttg tcaactggagc ttggttacia gcctttcctt gaaaaggctg 120
aacaatacga aagatctctt cagtcttctc aacaacatca acaacangat gaacaagaag 180
aagcgagggtg ggacaatagc aatgtcgagg ggtgggagga gaaaaggtag tcttataatc 240
ggtttcaata cagacatatc aaagtgtgta aggaannang aaccttatch aaaattttct 300
tctantcaa ccctanagt tcaantcggg tnanctanca accaatcggc ctgtttttnn 360
cnntaagcc 369

<210> 12916
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-050-Q1-E1-C9

<400> 12916

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actcaaagcc aaatcagata ataagatttg ttttgattgc aatgcgaaga acccaacatg 180
ggcttccggt acttacggga tctttctctg catcgattgc tcagctgttc atcgaggtct 240
tggcgtccac attagcttcg tcagggtcaac caatttagat tcatggagct cagagcaatt 300
gaaaatgatg atatatggag gaaacaacag ggcacaagtc tttttcaaac agtacggatg 360
gagcgatgga ggtaaaaccg aggctaagta taccceaaga gctgctgatt tgtataaaca 420
gatacttgct aaaagaagtt gctaaaagca a 451

<210> 12917
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-D1

 <400> 12917

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 accagaagac gtagtcttca acatcttctt caagctccaa gatgatccaa gaaactgggc 120
 tcgtctcgct tgcgtctgca ccaaattctc ctcaattggt cgaaacgttt gttgtaaaac 180
 tcagtgtctac tccgctatcc ccaccgtcat ctccgatctc ctccctcttc ctccctccgc 240
 cgccgcatcc gcttcttcat ccaccgcggc ggattcgtct cttactctc ccggtggttg 300
 ggcttcttta tacaaactcg ctgtttgttg tcttgggtctc ttccacgccg gaaattctcc 360
 tcgaaaactc cgatttcggt taanaagtna gctaggtccg attaaaaccn cgattcnnaa 420
 cctaatacga cggnttcaag cncctaacga nnaaagaag 459

<210> 12918
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-D10

 <400> 12918

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 ttctttcacc tccggcgaat cctctctgtc cgcagaaaaa aacanattgc acaccggtgg 120
 tctcagtaga cagagttttc ctaaaggatt cgtgtttgga accgccacgt cagcttatca 180
 agtcgaaggc gagactcatc aagacggctg tggccaagc atttgggatg ccttcgtcaa 240
 gattcctggg aagatcgcca agaatgccac ggctgagata acagtggacc agtatcaccg 300
 ttacaaggaa gatgtggatt tgatgaagaa actgaacttc gatgcttaca gattttccat 360
 ttcatgggtcc aggatattcc ctgaggggaag tggtaaagtc aactggaaag ganttgctan 420
 tacngtagat tgantgatac atgggtt 446

<210> 12919
 <211> 152
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-D2

<400> 12919

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 taacgaccca aatgcgagct tcngtttcaa gttcacaact cactttgtgc ngtggtaaat 120
 cttctggata tggtttgatc tatgataactn tc 152

<210> 12920
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-D3

<400> 12920

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 caaaagaact aaaagaaaaa ccctagaagc cgaagaatct cctactcggt gtcgatcgga 120
 tcacctaaact aattactcgt tgataatcat tatatcgaga aatatgatta attttgaggc 180
 cacggagctg agattanggc taccgggtgg gaatcacggg aggagaaatg ggctggaana 240
 aataatggta aaagaggatt ttctgagact gttgattcca aactgaacct ttcacgnac 300
 gggtaaggga ttcagttttc caagttcaan ttagangnan tnngagggnc aaggntcnta 360
 aaanccccc ngcccagggc acaaanttgt gggaatggcc aaccgggtnc gntttttttc 420
 cnnaaggaaa cgtnnnngtc cngggcgaaa aaaccggcgc 460

<210> 12921
 <211> 55
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-D4

<400> 12921

attcaagctc gggagaanca agacgaccag cgacnaaggt taaagtttag gcggt 55

<210> 12922
 <211> 400
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-D7
 <400> 12922

ttggggaaag gcattgatac cgaatgggtc aaaaccgtta atctggcttt cacaaagttg 60
 agtacaagcc cagaagagaa tacagaggtg gaagcattca attcatcatt ggcttctctt 120
 atcacatcag tgaacaagaa cgatatagag tcatcgaagc tcgctttcgt ttcacagct 180
 ggtgcatttg agaaaatgga ctactttgac aggtcttttg ggaacagctt aagggactgt 240
 gataggctgg ctacaaattc ttactcttt ttttgtattt tccaacagat ttgtcaaaag 300
 anggtctttt ttttctccaa ataatccttt gaataatcat cattcacttt cttaacttct 360
 ttggttatta attaccttta aaaaaaana aaaagggcgg 400

<210> 12923
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-B7
 <400> 12923

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 cttaccggcg atagccatgg cggcaaggag gggaaatatt ggaaagaata caatgggtgg 120
 tcaaggtagc acctactgtg acatttgcaa attcggcttc gagactcctg aatcctccta 180
 cttcatcccc ggtgcaacgg tgaagctatc atgcaaagac aggaagacaa tggaagaggt 240
 ttacacagac aaagctgtat cagacaaaga angaaagtat aagttcattg tccacgacga 300
 tcacagacac canatgtgcg atgttttgct tgtgaaaagc tcggataaan acctgctcta 360
 aaatctccgt tggaccttga aagtctcgtn gtgatctnga nccattacaa gnggaattgc 420
 ctcgcaacnt tagacatgct acncacatgg gatttncgna aaaaagttgg 470

aagaacgatn ggggttcccc gaataatccg gttataaggg ttctaattggn c 531

<210> 12926
<211> 115
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-H3

<400> 12926

atcancacng caggtgtgag cgnetcaact gtgcactgtt gagggagaat tattactggt 60
cggaacacgc atatcatatt cgcagttttg attgggggan gaanacgttg tgatt 115

<210> 12927
<211> 540
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-H4

<400> 12927

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ccacngncc gcatcatctc tanattcgtc tttcatcgca gacaacaaat cttcaatctt 120
cgtcaattcc aaaccaccac aatccttcgc aacccaatct ccatcgctcc gatccagatt 180
ccgatggacg ccaccgagca gtctctccgt caatctcttt ccgagaaatc ctcatccgtc 240
gaagctcagg gtaacgccgt ccgagctctc aaggcttccc gtgcagctaa accagaaatc 300
gatgctgccn ttgagcaact caacaaattg aagctcgaga aatctaccgt cgagaaggag 360
cttcagtcta ttatcagtag ctccggtaat ggttcgctta accgtgaggc ttttcgaaaa 420
gctgttgtca atactctcga ggggcgtttg ttctatatcc cttcgtttaa gatntacaag 480
tggcgctcgt ggactttttg attatgggtc tccgtggtgt gctattaaat ccaatgttct 540

<210> 12928
<211> 153
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-049-Q1-E1-H6

<400> 12928

acntgatggt tccacacnan ancttgacca ctactcaagg gacctaatt tacaaagcct 60
acatgatatg tccttgagtg cattaacatg tctcggattt gcatactcag atgttccanc 120
aaattttgcn acttatgacg gnactgaaga cca 153

<210> 12929

<211> 443

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-049-Q1-E1-H7

<400> 12929

actctctcaa agctccccc aaaccctag ttctgaatgg aatcggcgga ttccggacga 60
tccgatccgg taaaaggaga cgaccgggt ccatctttcg tctcttcacc accagctaca 120
cctagcaggt atgagtcaca gaagcgacgc gactggaaca cgttcttgca gtacctcaag 180
aaccacaagc cgctctcgc gttgtcacgg tgtagcggag cgcattgat cgagtttctc 240
aagtacctcg accagttcgg taagaccaa gtccacgtgg cggcttgcc ttacttcggc 300
catcagcaac ctccgtctcc ttgctcatgc cctctcaagc aagcttgggg atctctcgat 360
gctttgatcg gacggttgag agctgcctac gaggagaacg gtggacggcc ggattctaac 420
ccgttcgccc cagtgcggt tcg 443

<210> 12930

<211> 458

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-049-Q1-E1-H8

<400> 12930

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tttaacactc ccctcaatac caaacattc tcttttagaa gaaacagntt cagattttcc 120
aaaaagcttc cttattattc tcagttttcc tcagggaaga gagctctcta ttgcacttcc 180
agttcccagg aaagtaccgt cnatgaaggc gagacatttg tcctcaccac tcctctttat 240

tacgttaatg ccctcccca catgggtagt gcttacacca ctatcgccgc cgattcaatt 300
gctcgtttcc aagagactgc ttgggtaaga anggtatctt tatcacanga acagatgaac 360
atgggtgagaa gatagctact tcagcagctg ctaanggacg taatccncct gaacattgng 420
accncatttc caatcttata gancnnnttg gaaanato 458

<210> 12931
<211> 465
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-H9
<400> 12931

tcaaacagat taccacagga gcctgtgaaa tcgttatctt gttcagaaga tgaggatgtc 60
tcaacagcat atacagatct agttacttca tctaagaaga cattanattc cctcttgag 120
ttgcaagagg ctttgtttga gaagaacccc tcggttgatc aacaagtga tgcaacagct 180
antgaagaat ccaataaatc aagatgcaga agatagcgat gaatggcagc gaatatctga 240
cttgcaaaaa agaattgtctg tgttccgaaa caaggctgtg gacaaatggc aganaaaaaac 300
acaagtcaca actggtgcag ctgctattaa aggaaagctc cacgccttta accagaacgt 360
tagtgaacaa gttgcttctt acatgaaggg attcaagtag aatgattaaa cagatgcaac 420
aatcaagatc tactgttgct gttttggaac tgtccctcaa gaaac 465

<210> 12932
<211> 477
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-050-Q1-E1-A1
<400> 12932

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tcctccgatt attcgacctc cgggacagat gttgccaccg cctccttttg gtggtaagg 120
tcctcctatg ggaagaggct ctcaccgcc ttatggtagt aggccaccgc cacagcagtt 180
ttctggacca ccaccgctc agtatgggca aaggccaatg attcctcctc ctggtggtat 240

ggcctgtcct caacctcctg aaaacaagaa ggaacaagaa gaaggggttaa ggaaagggag 360
 aacnaatngg nttgggancc cgcgcgcggy ggcctccaag aatttcgttt tttgggtttt 420
 ngggantttc ttncccnant tgggttccaa anaattgaaa nccctttttg ggnccaaat 480
 tggggtnngg gttttggggg gggccncccc aaanttnccn tttttcccn aaaggggtcc 540
 cnaaaaggcc ctcccgttta aaagggggcc ccgaaaaaaa ttnna 585

<210> 12935
 <211> 479
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-A4

<400> 12935

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 aattcatctt ccaaatccct aaaaaaaga ctcaaacttt ttaatttttg tccaaaaaag 120
 actcaaactt tcttcatcaa tggcggagaa aatcacgaga gagacgtcgt tacctaaaga 180
 gagaagcagc ccacaagctc taatcctggg acgatacgaa atgggtaagc ttctcggnca 240
 tggtagcttc gctaaagttt acctcgacg taacgtgaaa ncanacgaaa gcgtagcant 300
 caaagtaatc gacaaggaga aaagttctca aanggaggtt aaatcncaca acntcnaaan 360
 cnganntttc gaatcctcga acttttccg taaccaana caatcgntaa gctaattcga 420
 aggtcaaggg ggaacgaaaa ggctaagatt caaatttcg tgaagggngt taagttccg 479

<210> 12936
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-050-Q1-E1-A9

<400> 12936

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 agtggatgat gagttacgaa ggcaacggag atgggtgctgc tatctccacc gaaaaccaca 120
 acgagaacta catatctcta gagagctcgc cttttcatga agactccaag tctcgagaat 180

ctcatgatct taaaaaggat tcttcgaaaa tcagtgagaa agacaatgaa aatggacgtg 240
 ataaagacgg aaacaaagat cgtgatcgtg agaaggatcg tgataggag aagagcagag 300
 acagagatag ggagaaaagc agagatagag atagggatag ggagagaagt aaggataggc 360
 aacgagaccg tcatcataga gatcgtcata gggaccgtag cagagaacgt agtgagaaaa 420
 agagatgatt tgggatgatg atcatcatcg ca 452

<210> 12937
 <211> 313
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-B3
 <400> 12937

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 tgctgcaaag gaagcagctg cgaggaaggc aaagttggcc gcagcgaaga aaaaagaaaa 120
 gaaaaactac aatcagcaac ctgtgaggtg acnaaatcaa tccaccacc gttgtgatat 180
 gaacataggt tttgttcata tcagacttac ttgccttgaa caaatctttt gntggggaat 240
 gtggttgggt cgtgttttag agttangana actttggatc ncttnatcct ctznaatnga 300
 ncctgncnng nna 313

<210> 12938
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-B5
 <400> 12938

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 tgcacagggt gaaagatcag tggcttataa cgagcaccga ccgagaactc ctccaccaga 120
 cttgccatct atgcttcttg acgggagaat tgtttacatt ggaatgcctc ttgtgccggc 180
 agtgactgag ctagttgtcg ctgagctaata gtatcttcag tggctggatc ccaaggaacc 240
 catttacatt tacatcaact ccacagggac cactcgtgat gatggagaga cggttggaat 300

ggaatcagaa gggtttgcga tctatgactc tttgatgcaa cttaaaaacg aggtacatac 360
 agtatgtgtg ggaacagcca tangtcangc ctgtccaata ctttctgcng gaaacaaggg 420
 taaacggtta atgaagncac atgccaaagn gaatgatcag c 461

<210> 12939
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-G9
 <400> 12939

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 agaagtaaac gaaagaaaac gtcttatgtt tttgcgtaaa gctgagaaag aagaagaaaa 180
 acgggctagg gaaaagatcc gtcaaaagct tgangaagac aaggctgaaa gaaggcgaaa 240
 actcggattg cctccggaag atcctgcaac tgcagctgca aaaccctcag tgccagttgt 300
 ggaggagaag aangttacat tgccaattaa accggccaca aagactgaac aaatgagana 360
 atgcttgagg tcccttaagc aagcccacaa ggaggatgat gctaantga aganagcgtt 420
 ccanactcct gctgacntac atgggaaatg tccnaaaaa 459

<210> 12940
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-E9
 <400> 12940

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 tgcattttga aaccgatga tgaggaagaa atggagtcac catcaccatc gaaaacagag 180
 gaaaatttag gcgtgggtcc tctgtcttgc gcgtttacga gacaagaaca ttgcgtttcc 240
 gagacgaaag aacgcgaaga atcgactaga agactaagca gccttatattt tctttacctc 300

atcgttatgt ccgtacagat tgtgggangt ttttaaggcga atagtcttgc ggttatgaca 360
 gatgctgcgc atttgttgtc ggatgtggcc gggtttgtgt gtcncttgtt gggcaatnaa 420
 ggtcccaagc tgggaaacta atccgcgaaa ctcggttcggg tttaa 465

<210> 12941
 <211> 531
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-F11
 <400> 12941

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 ctgagattca tcttcttctc cgcagatcga tttttttttg aagctaaatc tcaaaaatgg 120
 agaacgacgc aggtcaggtc acagagctct acattccaag gaaatgctcg gcaacaaaca 180
 gaatgatcac atcaaaggat catgcttcag ttcagcttaa cattgggtcat cttgatgcta 240
 atggtctcta cactggccaa ttcaccactt ttgctctctg cggatttgtc cgtgctcagg 300
 gagacgcaga cagtggcgtg gacaggctct ggcagaagaa gaaggctgaa gctaaacaac 360
 agtgagagac aatctgacaa tgtcataagc tcttgtttgt tttttgaggt ttcgatttat 420
 tagctatgtg gctttgtcat tgaattgaaa atgttagttt ctctttaagc gaattcatgt 480
 tttcgatttt ctgcnttatt aaagataatt antaagcttt gagggcaatg g 531

<210> 12942
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-F12
 <400> 12942

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 gaggatgaca tgagctgttc atgatgatgt tatctttgac tggtgaaaca cttcagttcc 180
 tacagaaatt tctcgaggcc ataaaccaga ttctggaaaa ccaaagagaa taatggcaag 240

tgattacata acagtaagag attaatggat ggagaattct tgcttgtttc catgttacct 300
 tgaggcgtag cacctttctg attgctaaga gtangccggg cattacggac cttacgtcaa 360
 ttatgtcatg tttaacagtg taaacctgtg gacagcattt tgtatcagaa gaattttaat 420
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<210> 12943
 <211> 534
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-F4
 <400> 12943

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 cttccatccc gtgtcatgaa gaatgtcatt gaagtcgaga aatctgaaga tagaaacgaa 180
 aagtattggt ttcattgaagc acgcgttccc ttatatattga tcaaagaata tgaagaaagt 240
 ttgcataggg tggtacacat accttttattc aagaagccat caagaaaaat atcaaagctc 300
 cagaaaaggc aactaaaagc ttctcgagca aacatatattt cttatctagc ctctcgagg 360
 gacaacacgg agaagtgttc ttgtgcatca tgccatctcg atgttttttt gagggattca 420
 ataacatgca gtacttgcca aggtttctgt cacaaggaat gtactatgag ttcacaacac 480
 acaactgggc agttggaaat tttggtaacc tgcaaacggt gctancntgc aaaa 534

<210> 12944
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-F5
 <400> 12944

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 tactgatcga atcaagttag agtgaagacg agatcctcat caaaaacgaa ccaaagccag 120
 cgtcttcatt ctcaccgcaa cccacggaga cgaaacaagt cgacggagat gattccgatg 180

ggttcgaaac tgccagcgaa cgtgaaatta gcgatgaaga aggagaggaa gatggtacca 240
 aaaatgacgc cgtcacgaag tcaggaggaa ccacagcact cggagaagaa gggaagagca 300
 gattgagcta atgagtgaag gagaagccat agtcgacgac ggatnaaaca agggagaaaa 360
 gctttggcaa gaaagcaaat gaaggctaaa gccggaagga aataaactgt ttcgttaatg 420
 gcctttatga agaagcattg tcaaagtatg cttt 454

<210> 12945
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-049-Q1-E1-F7
 <400> 12945

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 cttcgtttct taccaaatcg atatcttctc attcgttgca tagtagctgc atttgcgcaa 120
 gttctagaat cagtcaattc cgtggcggtt tctctaaacg aagaagcgat tcaacaaggt 180
 ctaagtcgat gcgattgagg tgttccttct ctccgatgga atctgcgaga attaaggtga 240
 ttggtgtcgg tgggtggtgg aacaatgccg ttaaccggat gatttcaagc ggtttacaga 300
 gtgttgattt ctatgcgata aacacggatt cgcaagctct gttacagtct tctgctgaga 360
 acccacttca aattggagaa cttttaactc gtgggcttgg cactggtgga aaccgccttc 420
 ttggagaaca agctgcagaa gaatcaaaag atg 453

<210> 12946
 <211> 534
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-G10
 <400> 12946

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 cgtccgacac aacgcagcta agaaacctcc ttaaagaaca aagaaaaaac ttggtgaaat 120
 cgattctctt caaagatcgt ctctctaate actttcaaca actcgatcaa tccttactga 180
 ttctgattct gtatcgaatt tgatacagag acgatgccga agaacaaagg aaagggagga 240

aagaacagga agagaggaaa gaacgaagct gatgacgaaa agcgagagct tatattcaaa 300
gaagatggac aagaatacgc acaagttctt cgtatgctcg gtaacggtcg atgcgacgtt 360
atgtgcattg acggtgttaa gcgctcttgc catatccgtg gtaagatgca taagaaggtt 420
tggattgctg ctggtgacat catacttggt ggtctaagag antaccagga tgataaagct 480
gatgttatac tcaagtatat gtctgatgaa ggtaggcttc ntaaggcgta tggg 534

<210> 12947
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-G11

<400> 12947
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cccaacccaa aatcacaaaa accaaaaaaa tatataataa tgggtggctg tgcgagtaga 120
cccaaggaat cagacatgca aaacgaagaa ggctctgttc ctaacaagcc tgtctctgaa 180
aacgtagtag ccaaggagaa caacacagaa agcggtgaga aacagaacca gacagtggct 240
gagaccactg aaacaacttc tgtcgaagct aaggagacat ttccggtcga gccgaccaag 300
gaaacaactc ctgctgttca accagagggt gcagccgtcg aagagtcttc ttctgctgat 360
gctggtgagg ctgcagtagt tgcacctgag aaagtggaga acgctgcaac agaaaacgct 420
gaagcaaang tggaagcggg tgcgtanctg canccgaaaa ggt 463

<210> 12948
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-G12

<400> 12948
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ggagagggtg cacctctgaa cagtaatgta gagaacttaa tggatgttga ggggcagctt 180

cagttagttc ttcacctcat gaatgaagct aaatttagtt acatgcttcc tttgttaaatt 240
 ggctcgattt cttcctggat ttggagtga cttggaatta ctgcatcatc gattttccct 300
 agtgtcagat gtggtctgga aatggctctt ctaaacgcna atggnaagta agacatgatt 360
 cctccttctg ataatgaagt atccccaaca aaactaagaa tcatgtcnta ctgccattgc 420
 gtttaaaaag aaaatngggt ctgctcance aaactccgtt caaaanantg 470

<210> 12949
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-G2

<400> 12949
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 ctgcaagttc cttcttatgc tcattcctcc caatgttccct tccattgacg ttgacgcattc 180
 cgatgtgttg gctcatggga aagatacgga ggagaatagc ttcattctata ttctcccag 240
 aggaaggagc caacagtctg acaaaaaagt tcaatgttat gaacctgcca caatgaaata 300
 tctgggatat ttccctgctc tgtcgcttac tgaggctgag gagcgcgtaa cactatcaag 360
 gaaggctcaa aagacatggg ctcaaagtag cttcaagctt agaaggcagt tcttgccgat 420
 tcttcntaag tacattattg aacaccaaga gcttatatg 459

<210> 12950
 <211> 539
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-G3

<400> 12950
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 cccacgcgtc cgggagaaga cggagtttaa aattgagatt caatggtgga gaaaggtcac 120
 gaagcgttat agcttccgct gaacggagca gtgaagggat tgagaagaca acagacaccg 180

tcggtggcgg aggaggagga ggagcaggca gatttgctgg tactgcatg gaggttacta 240
 cacttgatcg tggttttgct aactccacca ccgttgattt tccgatctgg gacaaaatcg 300
 gcgccgtcgt tagacttact tatggaatcg gaatatatgg agcaatggct gtagcaagaa 360
 gatttatatg ttcagtgact ggaattgatt catcctgggtg gaatttgatt cttctccttg 420
 atgcactact tgctggactt ggctatgcaa caccaacaat catggctcct cctcttcata 480
 ctcgacgatg aagttgtgaa gctatcacgc catgctcggg ccattagaga tgtggaant 539

<210> 12951
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-G4
 <400> 12951

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 ctgctcttcc tttcacggcg agtacttagc tccgtcgaga tgctttctcg gagctccggt 120
 cacttcctct tctttatcac tctccggtaa gaagaactca tattctccga gacagttcca 180
 tgtttctgcc aagaaagttt ctgggttaga ggaagccatt agaatcagaa aaatgagaga 240
 gcttgaaact aaatcaaaag ttaggagaaa tccaccatta agacgtggaa gagtatcgcc 300
 tcgtcttctt gtacctgatc acattccaag gctccttat gttgagtctg gtgtattacc 360
 ggatatatca agtgagttcc agattcctgg tctgaaggc attgcgaaaa tgagaactgc 420
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<210> 12952
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-G7
 <400> 12952

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 ctctccattc gctagatctt acagatttgg acgacgtaat ctggaaccac tttccaacgg 120

aatgcttttcg tcgggaagta gagccgacgg tgctacggcg gcggctgcat cgatggaagg 180
 agtgatgacg gaggcgatga aactgattca atcggcgctca ccaacttgga aatcagctgt 240
 ggctaacaat ttattgattt ttgtttctcg ttcanecgtt cttgtttaccg gattgtccgc 300
 ttctgggatc gccgccgcgt ttttgcttgg tactttaact tggagagctt atggctctgc 360
 tggtttcttc ttagtcgctg cttacttcgt cataggaaca gcggcaacga aggttaaaat 420
 gacgcaaaaag gaagcacaag gtgtggccga aaaa 454

<210> 12953
 <211> 549
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-049-Q1-E1-E8
 <400> 12953

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 nttcccgggg tcgaccacg cgtccggaga aaagggaaaa ttaccaagac aagagttctt 120
 ctttcttctc tctgcctgct tcttttttct ctcttttctc tctctctctc tttctttgtg 180
 aaaatctaga agaagagaaa gctacaaaaa tctcaacatc gaggtaagag ttttggctac 240
 agagcaacca tgctaacttg cgccttctcc caaaatctta tccactaatc tcggttaagga 300
 aagtgatgtt ggcaaaatgg tgaagaaagg aagttggttt tctgctatca aaagggtttt 360
 tactccacat tccaaagaga agctagccaa tgaaccagag agaaagagtg gcaaagaaaa 420
 gaagaagaaa gggttttggga agctaaggca tggcgagacc aattcatttc ttcccatctt 480
 cagagagcct agtagtatcg aaaaagatct tgggcaaggc tganagagat nacaatcttg 540
 tcttcaggc 549

<210> 12954
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-D7
 <400> 12954

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aagaagaaga gagaacgggt ttgtagttgg tggttgcgtt tctttctcgt ttatattctt 120
ctttcttttt tgttttcatc tttcaattcc tttttttctt ttttgtttat aatctaatacg 180
acgcacgaac agagcaatct caagctcttc ttcttcccca caattgaatc tgattctgag 240
atcctcttac cttctgtttg atctctctgt ttcctgacga aggagatatt gtagagaaag 300
aaaggggttc tcatgattct cgtgttttga gtctctttcc agtanantt aaaacttaca 360
cttgtctttc tttgtctttt tgggtgganat ctactagatc ngttccgttt ttccatnaaa 420
ctttgggtnc angttccgta caangaaata g 451

<210> 12955
<211> 442
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-D9
<400> 12955

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atggcggaag cgatgaattc gtcggagaag aaagatgaga gtcggagga gaaggaggt 120
gagcttttgt tctgtggtgc tacggcttgg gatatcattg gaaaacgaaa aggtgcatg 180
gaaggtaact tgggtctctc tactcggcta aggccactcg tcggcggttaa cattcgattc 240
gtcgccactg gttgcgcttc gtttcattgt gtggcattgg acgttgaagg tcgttggttac 300
acttggggac gtaatgagaa angtcaatta agtcatggtg atatgattca acgtgataag 360
ccaacagttg tgtcangact ctctaagcac aaaattgtga aagccgcaac aagaaggaac 420
cacacngtaa ttggttantg at 442

<210> 12956
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-E11
<400> 12956

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 ggacgtccaa agggactcct taaagagtgt tcaaaacgta tcgagtctgg actgcagatc 180
 attcaagatg aactgatcaa gcttggaatt actgacgaag ttagagaggc tgatttgcg 240
 cacacagcta tctgggatgt ctanggtttt tcttatgcta caagatgcag tttcctgaga 300
 atagagtggc tttggaactt acaaggctctg attatgtcna aagctgaaaa agcttttggtt 360
 gatatgaaaa attggtttac acgatttcca aacgaattta caagcttctg aatgtatgaa 420
 ttganatgct caagggggca ataatcctca atccgt 456

<210> 12957
 <211> 531
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-E12

<400> 12957
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 cgtccgcaga aaacaagtag aaactttaaa acgagagaga gagaaagaaa tggcgacatc 120
 gggaacgtac gttgacggag gttccgttga aaggatcggc ggagaaacac tacaagagct 180
 ggaagagcga agaaccatgt ctctcgtgac gccattggcc accacatcca aaatgtcgtt 240
 gttcacgaag gcgaacatga ctctcacggg tctatcanga gttgggacta cacatatgat 300
 ggaaagaagg agatgttcan agagaagaga gagatagatg atgagaatan aacattgacg 360
 aanagaagac tggatggtca cgtgatggaa catctcaaag tatttgatat catctacgaa 420
 tttattccca aatctganga tagctgcgtc tgccaaatcc ctatgatatg ggaaaagcgc 480
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<210> 12958
 <211> 470
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-E2

<400> 12958

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accaccgtcg ctggctgtaa cggaatctcc gcttgtgatc tcgagaaact caacgttctc 180

ggatgcggaa acggcgggat tgtttacaaa gtccgtcata aaaccacatc ggagatctac 240

gctttgaaaa cagttaacgg cgacatggat ccgattttca caagacagtt gatgcgagag 300

atggaagatt ctccgccgta cagattcacc gtacgtcgtt aaagtgtcag ggaatcgtcg 360

agaaacctgt cntcggtgaa gtatcgattc taatggagta tatggacggc ggaaccctan 420

aatcactaag ncggcgggtgt aacggagcan aaactcgccg gattcgctag 470

<210> 12959

<211> 523

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-048-Q1-E1-E4

<400> 12959

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atttccaaag gttttgagct ttgaaaaatg gtgagaatca gtgtgcttaa cgatgctctt 120

aagagtatgt acaatgctga gaagagaggg aagaggcaag tcatgatcag gccttcctct 180

aaagtgatca tcaagtttct tatcgtcatg cagaaacacg gttacattgg tgagtttgag 240

tacgttgatg accacaggtc tggaaagatc gtggtccagc ttaanggaag acttaacaaa 300

tgtggaagtc atcantcctc gtttccgatg ttggagttaa ggagattgaa ngctggaccg 360

cncgtcctct tccttcacga cantttgngt acattgttct taccacctcg gcggggtant 420

atgggaccac gaagnacca ggagaanaga atgttgngg ccancgttcn tggctccttt 480

nctgantcaa agtcttnaag gaggagaanc cttangggtn ggg 523

<210> 12960

<211> 467

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-E5

<400> 12960

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agtgtgtcac cgtgacatta agccgcagaa tctgttggtc aataatgtta cgcataaagt 180
aaagatatgc gattttggga gcgcacaaat gctgattcca ggagaaccaa atatatctta 240
catatgctca aggtattaca gagctcctga actcatatct ggagcaaccg aatacacaag 300
tgcgatcgan atgtgggtctg taggttgtgt catggctgag ctttttcttg gacatcctct 360
attccctgga gaaaccaagt gttgatcaat tgggtggagat cattangntt ttagggacac 420
cagcaggaga agagataaag aacatganc ctcgttataa tgaantt 467

<210> 12961
<211> 225
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-E9

<400> 12961

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ctactggagc taatggacta ttgtttcgct tccgaanccc gnaagcaagt atatgtacgg 120
aagctcgtcc aaagaacatc aactcatctt actttaccag atcttttgaa gttcttgatg 180
canaagatct ggtanagtta gatgagttgc nttncgannt tcnaa 225

<210> 12962
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-F10

<400> 12962

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actgcttcag ccatgttccg tggaagatg ancaccaagg aggtcgatga acagatgctg 120

aacgtacaga acaagaactc ctctactttt gtggaatgga tccctaacaa cgtcaaatca 180
accgtctgtg acattccccc tactggctg aagatggctt caacgttcat tggtaactca 240
acttcgatcc aagagatggt caggcgtgtc agtgagcaat tctactgctat gttcaagaga 300
aangctttcc ttgcattggg acacangtga angtatggat gacatggagt tctactgaagc 360
tgaanagcaa catgaacgat cttgtctctg antatcagca gttatcaaga atgccaacgg 420
ctgatgaaag aaaggagaat tatgangaag gaagaaacct gagtnacgaa 470

<210> 12963
<211> 473
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-F2
<400> 12963

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gatgatgtgg tgttacctgt tagctctgtt ttagctataa tgaaagagct tggaaaggaa 180
gtgattgaga gttttgatcc tctgattatt actcaagcat ccacaataaa tcagtttctt 240
ttggatgctt cctctgtgga ggcgggtatta gccatttcca aaacatctga tttcccaagt 300
gataaaatat gtggtgagtt ctcaaagaat cttgaagcct ggcggcacgg tttcctgtgtg 360
caaangtttt ggganggtga aacgggagaa attcaacaag accattcaaa ggagaantga 420
cattgggctg ggtttcttga nccacagtgt cnttgatttg aaatccatta aag 473

<210> 12964
<211> 463
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-F6
<400> 12964

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ccgaggcagt ggaattccgg caacacagcc aaccagcaa acactacctg gtgctaatat 180
cgctactgga cctgctcttc ctgagcagct tccaatgcat tactctcaac ccacattacc 240
tctaacacac tatgcaaaca tgatcggtta tcttctaatt cctcagaatt atccatacat 300
gccatctgct ttccagcaaa catttgctgg taatagtga taccaccagc aactagctgc 360
attgcttccg cagtacaaaa ccaatgtctc tcccggtaat ttgcctcagt ctgcaacagc 420
gctgcctct gcttaaggat ttggnaactc gaacaatgtc cgg 463

<210> 12965
<211> 531
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-G12
<400> 12965

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gcttccaaat aaaacgagtc cggtcactgg cgctcantga cttcgtcttc ctccatctcc 180
gatccattgg tttaacaagc gcgtgagggc nagatagacc gagaatcatg ggaaacggaa 240
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gcagccgccg ccgtentagt cgtccaggat ccggaagcgt ctctggattg gctagtcaga 360
gatctgtgag cgcagatgat ttcgccgga ttgctcttct cactcttate cggcgcgagg 420
atgaagttca agggaagaat tggtcgcct gtgtttcctt cggggaacaa actttccgtn 480
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<210> 12966
<211> 445
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-G3
<400> 12966

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 ggtggagagt caacttctct taatctcaat cagctgtgga agaagttcag gggagaagag 180
 aaggctcctg ctcathtagg ttctancaga gactacaatg ttgacatgat gccaaagttt 240
 atgatggcta acggaaaact tgttcgtgtc cttaatcata acggatgtta acaaattact 300
 tgtcctttaa aagcctgttg atggaaagct aatgtttttt gtccaaaggg caaagggtcca 360
 aaaaaagtgc caancaaact cccaatggga nggcctcaa atcctcctcc ttaatggggt 420
 aatttttgag aaaacgttca aacct 445

<210> 12967
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-048-Q1-E1-G6
 <400> 12967

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 tcatcttctt ctcccttgga ggaagaagct ttgggttcca ggaggaattc aggtgtgcag 180
 gacttgtcgc ttggccactt ggataccgaa agcagcagtg ttgctaagca tctggaatct 240
 gccaatacga tgttttcttt tatatggtgg atcattggat tctactgggt atctgctggt 300
 ggccaagagt tggcacaaga atccctcgg atttactggc tgtctattgt ctttcttggt 360
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<210> 12968
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-D5
 <400> 12968

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aagcagtgaa gcaaggatct gcagcaattg gactcaggat ctcgtttctca tgtcgttctc 180
gcttgtgtta acaaagctca atcggagctt tcttcgcac agaggaagat ctttaaagtc 240
gatgaccann ncggtgttgc aatcgtctgt ctcacagccg acgggtcgtg tattgtctcg 300
gtatatnaga tcggaancga ttangcacnc ntttacntan gaactcncgt cgtcnnngtt 360
gggtcgtccc ggttgtncag cgtgctgnna agccctcacg gtccggtnnc nnaccgatca 420
nggganaacg acc 433

<210> 12969
<211> 452
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-A7
<400> 12969

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gaaagatgtt agaagttcaa ctcaaaagga ttggagtttt tggcgctgaa gaaaccataa 180
gctcacatct gaattttgac gaacactata aaatattatg ggctaatacat ggtgatgaaa 240
tcagcattca gtactctggg actcctgcac ttaaaggaag atttcgttan gtatgggcat 300
cggactgccc atgggtgtcc ttaaanatgg ttggagctcc ctcagacgcn attacctnaa 360
taactttgct gatggaacna agcangatgc aattgatctc ttgcaagggc actacatanc 420
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<212> DNA
<213> Arabidopsis thaliana
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<400> 12970

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 ctgttccttt tcaatccttg aagcanagtt ttgggttgag ctacgataca attactantg 240
 aaggagagca naaagtttca gacttgtttc ccaaattggt ggagcattta ggatcatctt 300
 tagtacattt gttcttcgtg cctgataaag angcgattga gttgggttga gtttgcnag 360
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 <211> 545
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 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 ttaccattgg ggccctcagcc tcatgctctt gtcgccgcgc tgcagcttca cgacggcgac 180
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 ggaaatgacg ctgttactgg tcatatcatt tccactacta ttggaggcaa aaacggcgaa 300
 ccaaagcaga ccattagtta catggctgag cgggttggtg gaacagggtt attcgggatt 360
 gtttttcagg cgaaatgctt ggaaactgga naatcagtag cattaaaaag gtcttgcaag 420
 atcgacgcta taaaaaccgt gagttgcaac taatgcgacc aaatggatcn ccaaagtgc 480
 atcctccttg aancaactgt ttcctcnct acaacgaant nnaagaatga actccttcct 540
 ccanc 545

<210> 12972
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 ggcggttca tcacggtgat gtagatggga ggaagtatga acgctatgat gcaacagact 180
 ctgaaacttt aagtgaaccc ttgttaggaa gtagtagtac tgataatagt anaaatgagt 240
 acattgagga gcgtactctg gaggatattt gggaagaaga acggaanaga cagcaagttc 300
 nctgggacgt taancctttt ctcaagttgat tncacaagtt gngctcaagt ggaatagcca 360
 aaagtaagtc nnttggaatc tgggntcaac ttgggtggga agtttccttt cctctgcctt 420
 aacatttggg tcaaataggg tcctgggtgg ggaagcttct ngccaacca 469

<210> 12973
 <211> 53
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-B5

<400> 12973
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<210> 12974
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-B7

<400> 12974
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 agcagagtgg tggttggtacc gtcagagttg gccggaagag tgagctcgtc gtcgttgctc 180
 agcgcaagaa gtcgttgata tacgccgtta aaagtgcgg caacatcttc gatgacctca 240
 acgaagccac acgaaggagg ccttggcgga tggcgagaaa acaaaagact acattgttga 300
 gaaaaccatt gaagccaatg aaactgcgac tgaggaagct aagaaagctt tggattatgt 360

gactgagaaa ggaaaagaat ccggaacaa ggcggctgag ttcgtagagg gtaaagcaga 420
 anaggctang aatgccncaa agtcngatt caaccactca gttnnnnng 468

<210> 12975
 <211> 530
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-B9

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 agaaaccgcc gagacaatca acaccacgat ctcatcgccg ccaccggaat ccgaaagctc 180
 caccactatt tctgcaatga cagatccaac atctcaagaa gcagcctcaa aagacacaga 240
 tctgacgaaa gaagccgaat cagagaagaa accaggagga atctctctcc gaatctggcc 300
 accgactcag aaaactcgcg acgccgttct gaatcgctg atcgagacct tatccaccga 360
 atcaatcctc tctaagagat acggtactct taaatctgac gatgcaacca ccgtcgcgaa 420
 acttatcgaa gaangangcta tgggtgttgct tcgaatgctg tgcgagtgta tgatgatggg 480
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<210> 12976
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-C10

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 acttgagaag tcttcgcata atggagtaga agcgcttgat cttaaaacc taaaaaagct 180
 tgcctctcc ttcgagcggc gtcttagaga caacatagct gctcgtctca agtatgtgga 240
 gaatccagaa aagttcgctg actcagaggt tgacctacac gacgatcttc agaagctcaa 300

aatgtatgga tgccgtgtga tacaaaaggc ccttgaagtg atagatgttg accaaaagac 300
 agaactaatt cgtgagctcg atgggaatgt gctgaagtgt gttagagatn aaaacggaaa 360
 tcatgtttatc caaaaatgta tcgagagtat gcctgctggg tangattgga ttcgtaattg 420
 ctgctttccg tgggtcaagtc gcactcnttc tactcatcct tatggatg 468

<210> 12979
 <211> 68
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-C4
 <400> 12979

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<210> 12980
 <211> 357
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-C5
 <400> 12980

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 tatggccata ctcgtaatga catctcaagg aaggattcca acagaaggag gagagaaaga 120
 agcagaggct gacagaatta cgtcacttcc aggtcagcct aacgtcacgt tcgancagtt 180
 ttccggctac gtcaccgtcg ataaactctc cggaagatca ntcttttatt ggctcantga 240
 ngcttctgac ctccctctct ccaaaccnct ngtantttgg ctnancngag gaccnggat 300
 gttcgtcngt agcgtacgcg tgccgtcnga ggatattgga ncantcangg atanngc 357

<210> 12981
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-C6

<400> 12981
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 cacattctct aagacagttt tatagagaat gcgatgtcta tggaacggtc gattttatat 180
 ttggaaacgc ggcagttgtg tttcaaaact gtaatttata cccgaggaaa ccgatgccaa 240
 atcagttcaa tgctatcacc gcccaaggcc ggtctgatcc gaaccagaac actggtacat 300
 caatccaaaa ctgtacgatt aagccggcgg atgatcttgt ttcgagtaac tatacagtta 360
 aaacgtatgt gggtcgaccg tggaaagata ttcaaggacg gtttacatgc aatcct 416

<210> 12982
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-048-Q1-E1-D1

<400> 12982
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 ttcggaaaaga gaagaaacaa gagtcacaca ctctgtgtca gatgtggccg tcgcagtttc 120
 cacatccaga agagtcggtg ctctgcttgt gcttatcccg ccgctcgcaa gaggacttac 180
 aactggagtg tgaaggcaat ccgtagaaaag actactggaa ctggaaggat gangtatctt 240
 cgcaatgtgc ctgcangtt caagaacggg ttcaagagaa ggtancgaag ccaagccaaa 300
 ngaacaangg aattgcntca tcagcttaaa ctttgttttt gagcatcaaa gggaanagag 360
 aaatcctgan tttgttggtt cacaagatta ctactccna agtgtctgaa ttaangacta 420
 nccttttggg gtgggtcctt tgccgttttt aaagttttgg acag 464

<210> 12983
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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<400> 12983

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tctgtagttt ttctcacaat cgccggtctc taccttcaat attcagtttc aacaaagagc 120
gtgtctcacg aagagtcttc tgtagctcca aagagaacga tataaacaga gatcgggaatc 180
agtctacagg aattcaagtc tacggcgaaa tccgaagagg ttattaacag agactgtaaa 240
aaattctcan gagtagctcc ggtgggatcc tctgattggt cagaagttga gggagcatgg 300
gtgctgaaac caagaaactc gaaaccgaag atgggtgttc atttcattgg cggtatattt 360
gtcngtgcag caccacagct tacntatcga antgtttctc gagagattag nggagaagga 420
tgttttgggt ag 432

<210> 12984
<211> 470
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-A6

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tcactaggga tatgtctgat gttagtagta gcatcaagtg tgatctatga agcgcaagga 120
acgttcttac taaaccatta cttgaagaag aattttccaa aaaaatgcaa cgagtttacg 180
ccttacgcta acaaggggat gataacgttg gtgaccgatc tcgaaggtag cagtccggcc 240
actacagagt tcaagacttt ctttacacag ttcaagtctt acatgtcctt ccatccaaga 300
caacatncgg cctcaacaaa aaatgttgat gccgagatga cagctaaatg tgacggtctt 360
ttcaagggcc atgtctgcat tgagtgtat aaagggcgtc aaatcagcgg atgctgggag 420
tatgaagatg accatgttgt cgatgggaaa gacttggttg agcagaanaa 470

<210> 12985
<211> 431
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-F3

<400> 12985

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 anatacataa cataggagcg acacttggtg gtgttgacaa gttcnggtaa caaatactac 240
 cagaagctan gcgataactca ntacggtang cacagatggg tagagtatgc ttcaaanggt 300
 tcgttacaac gcaatctcaa nntccaanct gaattgggaa cgggggtggct tccatttnat 360
 cactnanttac acttgggaat aaccnctnga atttggaaac caaaaaagggt ttgggccttg 420
 anccataagg naaacttncc tgggnaaaag gggnatc 457

<210> 12988
 <211> 73
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB25-047-Q1-E1-G11
 <400> 12988

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 ttttcaagcc atc 73

<210> 12989
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB25-047-Q1-E1-G3
 <400> 12989

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 tcttgatcgc accattgagt tttaactga ggtctttggg atgaacctgt tgaggaaaag 180
 agatatccct gaggagaagt attctaangc ttttcttggg tttggncctg aaacatcnaa 240
 ctttgttgtg gagctcacat ataactatgg tgttagctca tatgatattg gaactggctt 300
 tgggcatttt gccatttcaa ctcaagatgt ttccaaactg ggttgaanaa cgtccgtgcc 360
 aagggtggaa atgtgactaa gggaacctgn gtccagtcaa aagggtggaa gcanttgctca 420

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431

<210> 12990
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 12990

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cgacaaagat ttgatatcga atccaacaag tgaaagatgg gtctatcaag tcttcctggg 180
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aaaggcattg taagatcatt ccttggcata gtaggaatca gtctcncgcc gtcttcatcc 300
tcgccttctt cggtgacngg tatcgtcaga gaantcatca annttcaaga gtcatttgan 360
ttccgggtcg gcnaanccag gngaagttac cntgaggaag ntcaagganc cgggctccgn 420
nnactgaagg tttgaggagc ttgtgg 446

<210> 12991
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-H1

<400> 12991

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gccagagacc tcgctgagaa atcggcagag cagaaaaaca atgaaagaga cgaagtaaag 180
caaacggagc agtttggcgg gtttccagna ggagggtatg ganggttccc gggaggangg 240
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tggaggatat ngaaaccgcg gtggaangat atgggaaacc gaaggaagaa ggatattgtc 360
gctaattgnt nctggctaca aganggctac taaccggngg ggctgcctcc aaggngttgg 420

tncntaancc cgggtcaggc tgttcaaanc tcnagnccag gagaattnct ngngng 476

<210> 12992
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-047-Q1-E1-H10
 <400> 12992

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 atcgggaacaa gaactcattg actgcatag aggggaacgac aactttggat gtgctggtgg 240
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 ttnanggtta taccgntgaa natactgcn catncaaggc cattgaaatg aaanccaacc 360
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 gccgttgccct aacaacctaa taatgttatg aa 452

<210> 12993
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-047-Q1-E1-H3
 <400> 12993

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 agctagcaga ggatgggttac tctggtgttg aggttaggggt tactccaatg aggactgaga 180
 ttatcatcag agctactcgt actcagaatg ttcttggtga gaaggggagg agaattaggg 240
 aattgacatc tcttgccan aagagattca agtttccagt tgacagtgtt gagctctatg 300
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 aangcttctc ggtgggtcttg cctgttcgca nggccctgtt atggtgtttt gagatttggt 420

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448

<210> 12994
<211> 54
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-H4

<400> 12994

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54

<210> 12995
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-H6

<400> 12995

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gcatctaata gcgccgagaa gactgagccc acgacggaga agaaaaagtg gggcgatggt 180
gaagatgatg atgatgaaga agaagctgta tcggagctta attcattgag cattaaggaa 240
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tctggtgaca caccatatac atcagcangt agatttgang acttgnactt gtcantgaa 360
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taatttgccn aagagaatga cgccgcc 447

<210> 12996
<211> 377
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-H7

<400> 12996

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catctccatg gccaatccc gccaaaacat caggaagctt gtgaangatg gtttcatcat 180
cangaagcca nccaagattc actctcgttc cagagctcgc aaaatgaaga ttgccaatat 240
gaagggctgt cactctggnt acggtaanag gaaggggtacc cgtgaagcta ngttgccanc 300
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nagacgaaga ntatttg 377

<210> 12997
<211> 472
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-047-Q1-E1-H8
<400> 12997

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cagcaaagag aggtagcggg gtctgccacg acgatagtgg tccgacggtg aatgccacaa 240
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agcttcantc taatcaagtt gcatccgntt agcatcggtt taacgannaa gagtcaagga 420
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<210> 12998
<211> 517
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-048-Q1-E1-A11
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gccgatctcg tgatgatggc caccaccacc accaccacca ccgctagatt ctctgattca 180
tangagttca gcaacacaag cggcaatagc ttcttcgccg ccgagtcacg tcttgantat 240
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gagtctgttt tcgactcgcc ggagacgttc tacagcgatg ctaagctagt tctcgccggc 360
ggccgggaag tttcttttca ccgttgtatt cnttccgcga gaattcctgt cttcaaaaag 420
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<210> 12999
<211> 479
<212> DNA
<213> Arabidopsis thaliana
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<223> Clone ID: LIB25-048-Q1-E1-A3
<400> 12999

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agaagccaat cttacttatt catggtgaag aagacaataa ccaggaact ctaacaatgc 180
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cccgnnncaa gtccaanaga aaggtcaaga ttctgcagac aaagttatcc accanggaac 420
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<210> 13000
<211> 448
<212> DNA
<213> Arabidopsis thaliana
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<223> Clone ID: LIB25-047-Q1-E1-F2
<400> 13000

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 ccaagaggta tatgcagcag tacaatgatg ttgaattgtc tgccttggc atggccattg 180
 caactgttgt tactgttact gaaatactga agaacaatgg ttttgctgtt gagaagaaga 240
 tcatgacttc aactgttgat attaaggatg atgcangagg acgtcctgtg cagaaagcta 300
 agattgagat tacgcttgtg aagtcanaga agtttcatga actaatggct gcagccattg 360
 aanaanaaga agatgcagaa ncccaggtgc agaactgaaa atngccttta actaatttgg 420
 ggntcctga tgctnaatcn annaaang 448

<210> 13001
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-D4
 <400> 13001

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 tactgtggca agcaaattcg aaactttgtc tcagtacaaa agctctgtac cgtctggta 180
 cacaagcctt gttcgtgggt ttgggaattt catacggagt tttagttcgg aagctcctcc 240
 tgctgtatct gaccaaataa gtcttattaa gcaacttagg gaaagaacta gtgctcctat 300
 taaagatgtt aaggcttctt tagttgaatg caattgggat cttgaggctg ctcaaaanga 360
 tttngagaaa ngagagggaa aattttggct ccaaaaaatc gtcacggact gctgcaaaaa 420
 ggatgcntgc cttttg 436

<210> 13002
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-D8
 <400> 13002

tctagattta ngcactatct angaaaaaca aaanact cataaagaat aatgggagaa 60
acagaagaga aagtgaagaa ccatgataac aaagaagagg aacacaacan ggctgagaaa 120
gctgagaaga aggagaagaa gaaggataaa gataanaagg ataagaacga ggacgataaa 180
aatggtggag gagaagaagg ggaagatcaa gagaagaaga gcaagangaa agatangaaa 240
gcgangaaag agaagaaccc tgaagataag aangatccag agaagttgaa gatgaaagct 300
tcagaagatt gangaaaaga ttcaagctat ggtcttaaag aaagatgaga ttgtgaagct 360
tattcatgat gctgaacaag ctaagcctag tactgctgca gtagatgcac caccaccaac 420
taactaattc aaatacacag attatanact acaatangt 459

<210> 13003
<211> 447
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-D9
<400> 13003

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gagaaacctt tggttcaggt tctgagcgac gacgacagtg aagtgaagga agccaaagac 120
ggaggaggtg aagaagttac cggcggcgac ggtgaaggag aggctaattg agaagaggaa 180
gacgacgaag cagaaaatga agacgatgat gatgatgatg atgatgatga tgacgacgac 240
gaggacgagg acgatgaaga aggggaggag gatcttggga cagagtacct agtgaggccg 300
gttggtgagg ttgaagatga agatgatgca agtgattttg accctgagga gaatggcttg 360
gatgaagaan aangtgatga agagatttga anaagatgat gttgatgaag acatcaacct 420
gaatgctggc aaatctgaan cctctgg 447

<210> 13004
<211> 452
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-E11
<400> 13004

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catttgtgtga acagaacaca aatcaacaca acacacacaa ctttgtgttc ttttaagtttt 120
gtttcagaga tcaatggccg ggactggatt gtttgctgag attcttgatg gagaagtata 180
canatactac gctgatggtg agtggaaaac ttcttctca ggtaagagtg ttgccatcat 240
gaaccgggcc acgaggaaga cacagtacaa ggttcaagca tgcacgcang aagaagtgaa 300
cgcggtgatg gaactggcga aatcagctca gaaatcgtgg gcgaaaactc ctctttggaa 360
aagagctgag ctcttccaca angntgcagc aatccttaan ggacaacaaa agctccaagg 420
ctgagtctct tggttaaagaa atcnctaaac cc 452

<210> 13005
<211> 449
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-E12
<400> 13005

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cgttgctgag aaaggagacg aagaagggcc tttggttctg ttactccatg gtttcctga 120
gacatggtac tcttggcgtc accagatcga tttcttgtct anccatgggt accacgtggt 180
cgctccagat ctgagaggct acggtgactc cgattctcta ccgagccacg agtcttacac 240
tgtgagtcac ctagtcgctg atgtcatcgg tttactcgat cactacggca ctactcaggc 300
ttttgtggct gggcatgact ggggagcaat catangttgg tgtctatgct tgtttagacc 360
agaccgagtc aaaggttcat aagtctctcc gttccatatt tcccangaga ttcaaaaact 420
caaaccttca nantttttca aaaattttg 449

<210> 13006
<211> 532
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-E4
<400> 13006

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cacgcgtccg cggtanctaa atgtcgaaca ccgtcgaaga tgacgacgac gacttccaga 120
tccctccttc ctacagctt tggattcgaa aacctcttca cccaaccaac gctaacaaca 180
tctctcaccg cctcctaac aaaaagccca gactctgccg ttaccgggt aaagaaaatg 240
tgactccgcc tcttctccg gatccggatc tcttctgctc ctcttctact cctcactgta 300
tcttagattg tatcccatct agtgttgatt gctctctagg agatttcaat ggtccaattt 360
cttctcttgg tgaagaagat aaagaggata aggacgactg tataaagggtg aatcgtgaag 420
gttatttgtg taattcgatg gaggctaggt tattgaaatc gagaatttgt ctggggttgg 480
ataagtggaa tccatgagga tgatgaagggt ttgttgagtc taactcctga ag 532

<210> 13007
<211> 448
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-046-Q1-E1-E6
<400> 13007

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agcaactcaa gacttcttgt ttctggtgat cataacggaa tggttcgctt ttataggttc 120
aaacctgagc catacctaac agaaaacagt tttatccctt tccaaggaag cttaaagaaa 180
ggaaataacc atattgttca aagtgttaag tacatcaagc ttactgggtc cataacctgt 240
attcagaaga gccaaaactc aaaacatctc gctattggat cagatcaagg acatgtttct 300
ctggttgaca ttgaggaagc aaatgtgtta tacacaaaac acattgcaag tgatatatgt 360
ccagggatca tctccttgca attcgagagt tgcattgtgc aaggcttcga gaagaacgtg 420
ttaagtgggt gctatgagag actcgtcg 448

<210> 13008
<211> 450
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-046-Q1-E1-E7
<400> 13008

aaagaacacc aacaacaaca aaaacagagg aagaaaataa aaaccaaatt tttcttggtg 60
 caatcatttg aaattaaatt caattcttcg attcttccga gctggttctc gaattgggtt 120
 tgctgcaaat tgtgaatcca ataaaatttg ttcgtgttgt tgtgttgatg gtgatttggt 180
 agggttgatc cgatcaaaat ttcaattttg tatcgtaaaa cgatgaggtt tctaagcctc 240
 gtcggaaact cattcggttg ttctgcgctc ggcgaacgct tagtatcagc ggccaagaga 300
 cggtgattta caggaagcta aagctctctt aagattacaa tccaagactc gctcgttact 360
 ctacttttgg cgttcgtaac tctcctcttc attactccgc cgctcaaggc caccacgaga 420
 tagtttctcc tgttgggtgg gatcaagagg 450

<210> 13009
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-E9
 <400> 13009

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 cctagcaatg atcggcggtt catatgccat ggacatgtca atcatctcct acgacgaaaa 120
 ccaccacatc accaccgaga ccagccgtag cgactcggag gttgagagaa tctacgaagc 180
 gtggatggtg gaacacggga agaagaagat gaatcaaaac ggtcttggtg cagagaaaga 240
 tcaaagattc gagatcttta aagataatct tcgtttcatc gatgaacata acaccaaaaa 300
 cctcagttat aaacttggtt taaccgggtt tgctgattta accaatgagg agtaccgatc 360
 tatgtacctt ggtgctaaac ccgaccaaag anggttttga aaaccaatga tcgtatcaag 420
 cgcntgttgg tgacgcgcnt cctgaatccg gttgac 456

<210> 13010
 <211> 521
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13010

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antctctcat cagcaccatg ctttctctaa cngnaacaac tctcagttcc tccattttca 120
cacaatccaa aacccatgga ttcttcaata cccgacnctg ttaccgaaaa cccttcacca 180
ccatcacctc cgctttaatc cccgcttcaa accgtcaagc tccancanan cancaactct 240
atcaaccatt ccgtccacca ccatcaccan tccctcgaan gttccgatca ctgcacaccg 300
ccggaaaant cgaagtcctc gctgatcgtc nnggtctctg gttcgaatac gctccacnca 360
tntcctcctt atacactgaa aggattcact cctccatcaa tcgaanaact caccggaatc 420
tccggtgtcg aacagaacag tctcatcgtc ggngcgcaag ttcgagactc tttagttcan 480
tccgggtgcc aaaaccgggg gcttataact gcgtttggca a 521

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```

<210> 13011
<211> 454
<212> DNA
<213> Arabidopsis thaliana

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<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-F12

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aggatnanaa agccatgaag gatgcnattg agggaatgaa cggacaagat ctcnatggcc 120
gtagcatcac tggttaacgag gctcagtcac gaggaagcgg tggcggcnga ngccaccgtg 180
gacgtggtgg cggtggatac cgcagcggcg gtngtggagg ttactccggt ggaggtggta 240
gctacggagg tggcggcggt agacgcgagg gtggangagg atacagcggc ggcggcggcg 300
gttactcctc angacgtggt ggtggcngaa actacngtgg tgnaagacgt nagggatgac 360
gangatacng tggtggtgaa tgatgaagtt acggnngaag ccgtggtggt tggaggatgg 420
tnattccttt aattaagttt gggaatacca atna 454

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<210> 13012
<211> 430
<212> DNA
<213> Arabidopsis thaliana

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<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-F3

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<400> 13012

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cacaccgaaa tcttctccct anttctccga cgctcttctt ctctcttctc cggtaaacac  120
cgaccgggtc tccacggnga ctctcgtctc ccantttttt tttttgtacg gctactttga  180
tcgatcgcca atgctgaatt tcaaagcctt ctccgtgtca ntttttcngg aactgggaat  240
gtgagcttcc atcaattgag agttgaaaag ttgactccta antaaaacct ganaaaagag  300
aagagagatc cttcntttta ttaatagaac aagatttggg ttttantcaa gattaataag  360
tcgagatcan cgngggggcaa ctttaaaact aaaaatccng gggtttccaa ngnggggatt  420
aaagcnccca                                     430

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<210> 13013
 <211> 506
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-F5

<400> 13013

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tactccaatt tgaaccgctt gatctcccaa accatctctt cgcttacaac ttctctaaga  180
tttgacggtg ccatcaatgt ggacatcacc gagttccaga ccaaccttgt accttacct  240
cggatccact tcatgctctc ctcttatgca cctgtgattt catctgcaa ggctaccat  300
gagcagtttt cggtccttga gatcagact tccgtctttg aacctccaa tatgatggct  360
aaatgtgacc ctangcatgg caagtacatg gcttgctggt tgatgtatcg tggtgacgtt  420
gtgcccagg atgtcaatac agccgttgct gccatcaaag ccaaacgagc naantcagtt  480
tgttgactgg gtgcccact ggattc                                     506

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<210> 13014
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-046-Q1-E1-D3

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 caatctgggt actgcaaatt cctactaaat cgtgctcaag aaccttactt gcggagatcc 180
 tgatttagct cccagagttt gcttagtttt gatcaaattc ttggcctccg agcttatctc 240
 aagtttggtt aaagtacttc tttgcagatc tctgttggtc agttgcgtta aaagtgggtt 300
 ctttaagatt ttaaaaatga tggagagaaa acgagaaatg gggattgctt atttcgcgcg 360
 taggattaaa cagccacgag ggatttgggt gaagatgacg ttcataattg tttgggtct 420
 ctgcttcgtc cttcctctgg tccttct 447

<210> 13015
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-B7

<400> 13015
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 ccaacgtaac tacctccgcc gtcancggaa atctcagatc ggatgctcac cgtctccggc 120
 cacaaccacc gtaatcgcca ccatcaacaa atcgatctac agatgtcanc gaacttttct 180
 ctgtttgttt tcnegtcacg caacaaaagg attcaaaatc ctcaaacctc gcgaagattt 240
 tcagaattct ccgtattcat tgtttcacga aagatctggt anatcattcg acgagacgaa 300
 gaagacgacg gtgttagatc tagacgaaac tcttgttcat tcatcaatgg agaaaccana 360
 agtaccgtat ganttcgtcg tgaatcgcan ggntcgacgg gcagattntt aacgtttttc 420
 ggtgatcaan cggccagnaa tcgaaggagt tttttgacg 459

<210> 13016
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-B8

<400> 13016

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tgcaatggct cctgcttcac tctccccaag ccctagttcc gttagcccg atgagtagacag 120

ttccatgttt caccatttca acagtaaacc cganggggta caagaccggg attgttccat 180

ggatgtacat nagaggagat acgtctcttc tgcaaccgaa catagtgcaa taggcaatca 240

cattgatcag cttattgaga agaagaacga anatggctat tcattatccg tcgggaaaat 300

tcagcaatct cttcaacgag aagccgcttt aaccaaattc cgaatgaagc gaaaggacag 360

atgttatgag aaaaagggtc gttacganag ccggaagaaa tttagcagag caacgacnac 420

gaatcaaang ccaattcggtt cgtcaaagtc a 451

<210> 13017

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-046-Q1-E1-C1

<400> 13017

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atTTTTcttt tCcttttcat tattttcttt tattttgtaa cagaaataaa agaanataaa 120

agaaaatana aagatgggtt acatttcaat gtccgtgggt gcattccttg ttgtttttgc 180

ttcgccggtg gttctagcca ccgatacaga tccgattcca gaaaacagag cccaaatccc 240

gcantgggtt anaanaaacg ttaaaccata ttccaagag aaagggcacg ctagaccccg 300

ccctcgaagc tgctgaaanc agcgcgacaa attatcaacg tgaatcanaa angtggcgct 360

aanttcanga cattannang acagctatca tgagcattcc ggacanggaa aca 413

<210> 13018

<211> 451

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-046-Q1-E1-C10

<400> 13018

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aaaacaaaat tctcctgtaa aatttaatat tataaaagtg gtttcttttt canttatgtt 120
natataatth tcatctttta tcttaaattc tggtaacctt aatgcgcgat ccgcttttca 180
aaagttttgt gagagagaag agatctaaaa aaatccacaa ttttggtcaa atcttggagt 240
taaagtctga attttaggcc ttgttgctta aatttatggc ttaaagtttc aaacttttca 300
ttgggatatg gtacaaatct tgtagttaa cactgaattg tgtccctcgt gggcggtgtt 360
gctttgatth aaggccaaaa gtttcaaact tgggatatgg tacaacctgt agttanacac 420
tgcattgtcc cccctgggtg ntgttggtgc c 451

<210> 13019
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-C11

<400> 13019

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gtgggtgctga aattggtgaa gcaatagcca aagacacacg cattccctta gtatccttta 120
ctggnagctc caggggtgggc tcaatggtac aacaaacagt gaatgcgaga tntgggaaaa 180
ctttgcttga gttgantgga aacaatgcaa tcatagtcac ggacgatgct gatatacant 240
tagcggttcg atctgttcta ttcgctgcgg ttggnactgc tggtaacgt tgcacaacnt 300
gccgtangct gcttttgcac gaagantgtc taagacaaag tactcnagca accgccttac 360
ctcatacaaa caagtcaaaa tccngnaatc ctccttgaga aangacatt gntaaggacc 420
aattacatac tcttgaaatc aaaaaagnac 450

<210> 13020
<211> 532
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-C2

<400> 13020

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caaccgaaga gaacgagtat gtgcgatctt ccaccgaagc tggtagggga gaagatcctc 180
acgaggatc cgataacatc tctgagagcg gtgcgatcca cttgcaaatt atggaacgct 240
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gattcaaagg tctgttcagt tagattccat ctccgtcgca gcaaggagga agaagaagac 360
acgatggatc tatctataaa gcaggtagat ttgcttaatc aagtcgagat atctagggtg 420
tatcactgcg acggcttggt gttatgcgtg gctaangaca actcnaaggg tcntgggttg 480
gnacccttat ttggggcaaa caagatggat nagaccaga acagaatcca ac 532

<210> 13021
<211> 459
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-C4
<400> 13021

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agctgattca cagatgcgga gattcttgat taaccaagct aaaggtctcg tcgaccattc 180
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ttccacttct tctcttcccg ttactcttga ctccatcaat cccaaggttc tgaaatgtga 360
gtatgctggt cgaggagaaa ttgtcaacat tgctcagaaa gttacaaaga agacntgaag 420
actaataang gatgcntatc cntttgatga gataatcca 459

<210> 13022
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-C5

<400> 13022

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ctcatatcgc cgtgttttct cgctctagta ccgcgagctc ggacgancca ggaagcaatc 180
cgtaaatacta gaagcgggtg tganaagatg acgattacat caaatatctc tgtacagaac 240
gatanccctg ttgttcaagg gaagactatc cttaccanaa tccctgacaa cattanccta 300
actccgggta ccggtaatgg attcgtttcc gggtcattta tangcgcgac gtttgaacan 360
gagcangagt cttcatgtgt tccccatcgg tgtattggan ggtcttcggg tcatgtgctg 420
tttccgggtt aagctatggg ggatgactca gagaat 456

<210> 13023

<211> 454

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-046-Q1-E1-C7

<400> 13023

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ttcgtctact cgaggatttc aattttgggc atacaagaga agcgaagcag cgtcgccgtt 120
caagacgagg tacagagaaa acgaagaaga agaagatatg acgattaaac cggcgggttcg 180
tatttccgac gggaatctaa tcatcaaaaa ccggacgatt ctaaccgggtg taccagataa 240
tgtcatcacg acgtcagcat cggaagctgg accggtagaa ggagtcttcg tcggagctgt 300
atttaacaag gaagagagta aacacatcgt accgatcggg acgcttcgca attcccgggtt 360
tatgtcttgt ttccgggtta agctctgggt ggatggccca gagaatggga gaaatgggcc 420
gagatattcc ctacgagacg cagttcttaa tggg 454

<210> 13024

<211> 451

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-046-Q1-E1-C8

<400> 13024
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caaaggattt cgaagtaata gaggtcatat ttgacgttga aactgctta caggcgtatg 120
ttgggggtggc taaggatttg aatgctatca ttattgcatt tcggggaact caagaacaca 180
ggttttattc tagtcattgt aatctaaaag ctactccttc gcataaactt ggtaaatgct 240
taatcaatcc aaaacttgtg cagcatacaa aattgggtct cagacttggt ctggaaacag 300
ctcgatctga attaccctga catgccaaaga tgcaatgggt caccatggct ttacagtgc 360
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<210> 13025
<211> 527
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-D10

<400> 13025
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cgaagaacat cttcttcttc ttcttctcgc tcttcgtctt cgcgagctct cttagtagcg 180
caataaaatg ggggcttcgc ttcttcttaa ggaggccaac ctcttcaagc tcatcgtaa 240
atcatatgag actaagcagt acaagaaggg actcaaggca gctgatgcca tattaataaa 300
gtttctgat catggagaga ctttatcgat gaaaggactg actctaaact gtatggaccg 360
caaaactgaa gcatatgagc ttgttcgact tggagtgaag aatgatatca aaagcatggt 420
tgctgggcat gtgcttggtc ttttgtaccg gtcagacaga gagtatagag aagcaatcaa 480
atgctaccga aatgctcctt aagaatagat tctggataac cntgaaa 527

<210> 13026
<211> 447
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations

<223> Clone ID: LIB25-046-Q1-E1-D12

<400> 13026

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ccaatgtttg gaggcacttt cactgacatt gtcgtgtgga tattctaccc tttcaacgg 120
aacgcccgcc tcaagttttt attcttcaag agcctgtcgc tgggggatat cggcgaacat 180
attggagact gggaacatgt tacgttgccg atcagcaact tcaacggaga gttatggcga 240
gcatacttct ctgagcacag tgggggaact ctagtggagg catgcatct tgagtttcaa 300
ggtggaaaca aacttgtgag ctactcngtc tcttcacgga cagcaatgt tttcaaaacc 360
aaggacttgt gttgcaangc gatgacngaa acgnataang gaacgacatg gcaagaaatt 420
acaaantcnt tgangcaagt gttgcct 447

<210> 13027

<211> 533

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-046-Q1-E1-D2

<400> 13027

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gcgtccgcga agcagaagcg gcgcacttga antcccaaac gaggtgacga tgacgatcga 120
ttcgcagcaa anaacganca aattcagatg gggggaaatg gacgaagacg aagatctgga 180
tttcttgctc cctcccaagc angtgattgg tccagatgag aatggtttga agacnacgat 240
cgagtacaaa ttcaacgatg aataaaataa ngttaagata acgactatga cacgtgtccg 300
caagctagct tctgctcgac tcaacaaacg agccatggag aggaggaact ggctaagtt 360
cggagacgca nccaatgagg aanctggtag ccatctcact atggtttcta ccgaagagat 420
ccttctcgaa cgaccccgag ctcttggtac caaagcggat gaatcanagg gaacangaga 480
tggcttgtct canctgggta aangtggtgc aattctcaag ggtgtgcang ata 533

<210> 13028

<211> 532

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-046-Q1-E1-B4

<400> 13028

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agctttaggc tataatgttg ttgtnantta caagagagct tcaactgctg tcanttatgg 180
taatttatcc ctatcacgtg aaacgattga tactcttgga gagactttcc tggttctgan 240
agggacagat aggaagagtg tgggagctga agctctnaga atgggcatca ctgggccctg 300
gatcacgaaa tcatacctcg aactgatcct tgaaagcaaa ggtgtaccac gcttgaatac 360
acctccactt ttgcancgt ctctgtaat cactaaccaa nganaagcan attgttgcac 420
canaacctat ccggaactan cccaacatc gttaccgcc ttgaggattt atcgcaacct 480
tggaactanat ctctacgaa atcccaantg ggnaccgath ggtgcaactt tg 532

<210> 13029

<211> 436

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-045-Q1-E1-H9

<400> 13029

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ggcctgatga cacaccatgg gatggaggta ctttcaaact ctactgcag ttctctgaag 180
attatcccaa taaaccacca acagttcggg ttgtgtcacg gatgtttcat cctaataattt 240
atgcagatgg gagtatctgc ttggacattc tacaaaacca gtggagtcca atctatgatg 300
ttgtgctat acttacctcc atccagtcct tgctctgtga ccctaataccg aattctcctg 360
caaactcgga agctgctcgg atgtacagcg aaagcaagcg cgagtacaac anganantgc 420
gtgatgttgt tgacaa 436

<210> 13030

<211> 378

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-A1
 <400> 13030
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 ctctgcggtt tcttctcaa cctccttcac gcnaccacga tcgcagccgc cgtctcaggc 180
 tgtgcanccg catcttatgg taaanaccgg tggtaacnag ctcacatgat cgcanttgtc 240
 cttaacgcc a ttttccaagg ctcaagtctt gttctcatcn ttancaaacac ttcgagattt 300
 ccncganagc cttaactctt anntccgtga gaanaaatcg tcnatgatct tgnanctagc 360
 tggcggggct ctgtgttg 378

<210> 13031
 <211> 525
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-A10
 <400> 13031
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 gcgtccgggg aatggagagt tgctgtcgga gcgtcatagc ttcaaggacg tttcatctgc 120
 ggtcaagtgg ccgtctatct cctctcttta ncttaactca tctcaagggc aagctatctc 180
 tctccatcaa ctggttttcc tccaagattc agtctcatgc tctccgagga gttggtatag 240
 gcgagtcatg ataagaaaaa tcccctgccg cgagggggccg gataaggagt caaggaagat 300
 gcgaggagta agctgcttca tgtagttttg gtctctctc agattcctgn gaatacaggt 360
 tgcattgcaa gaanatgtgc tgctcaact gttgggtccgc atttagtcng gccattaagt 420
 tttcaagtgg atgacgccat agttaagcga actgggttgg attattggnc ctttgtgggt 480
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<210> 13032
 <211> 529

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<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-046-Q1-E1-A11

<400>      13032

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gcctncgnan aattcccnta actctatctc taggtgactt aagagtaaaa aatggtagag  120
gcanagggttg aagtagatgt ggaaatcaaa tctacggctg ataagttttt catgttctct  180
anaagatcac aacatgcctc caaagccact cgctatgtac agggatgtga tctgctcgaa  240
ggcgagtggg gcgaagttgg naggatactc ttgtggaaat tnactgttga tggagagcca  300
aaagtgtcaa aggatatgat tgaggcgatt gatatgaana tgaatatgat ccagtggagg  360
gtgttanagg gacctctgaa ggaanagtac aatattttct cgaaaacgat gaaagtaagc  420
cctaagcaag gagggctctg gaagtgtggt gaaatgggac nttgaagtat gagagaattg  480
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<210>      13033
<211>      384
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-046-Q1-E1-A3

<400>      13033

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atgcccgtg cngtgtccna ggccatcttc cctctacngt ttctaccgtt cncacctggg  120
ttcaacaacg gctttaggga caatgangct gtcaagggtg cgaaaccaca gcctgcacga  180
gcagttggtg gaaaagccgc aagaaggcan cgtggcgggc gtttagacgc tcaagacaac  240
ctgnggtggt aagtgggagc tcttcttggn aaantcgggt gtgtcangga tgcattgcgat  300
ccttatgcca cttatcaaca angtcanta ctangatgcc accatttggg gaatttcaaa  360
gattaagttg cctccaagcc gtat                384

<210>      13034
<211>      459

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<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-A5

<400> 13034
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 ctccatggat ttcaccanatt taagattccc agaagaagat gaagaaatta ncaaattgga 180
 gagatcgtgg agtaagctcn aaaaatccgt cgaatttaac gaacgacgat gaagaagaan 240
 aanaagagtt ttcgtttgcc ttgtgtaaac gggngaaagg tttccaatta ncgctganga 300
 agcttttgaa gaatgggcag attcgtcctg tgtttccncc gtttaaancg ttgaatctcc 360
 cttccantnc caaaaaacga aggaatngtc aaaacggcaa acnttttcgg gcacggnng 420
 ataacagaac gncgtcntta naaanattaa nttgttgng 459

<210> 13035
 <211> 65
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-A6

<400> 13035
 cctttggata acgttcnttc caagaagaaa gggtcnaagg gcctttggan tatttaaccc 60
 ccana 65

<210> 13036
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-A8

<400> 13036
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 ggttttcatg acacatgcaa caaaggccat ctacaagctg ttgcttacag attatgtaaa 120

agtgagcaaa gtgtctgtgg aagatatgtt gttcgatgaa caagacatca acaagtctat 180
 ggacaaaatt gaggtaattg acttccatca aacagttgaa gtgaatggca taaagttctg 240
 gtgttacacg gcaggccatg ttttgggtgc agccatgttt atggtggata tagctggtgt 300
 ccgaatcctc tatacaggcg actattcccg tgaggaagac cgacatctga gagcagctga 360
 gcttctcaa ttctcccctg acatatgcat cattgaatcc acttctggtg tccagcttca 420
 tcaatctcgt catattccgt gagaaacgcn t 451

<210> 13037
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-A9

<400> 13037
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 tctaccaaga agacttatgt tatccacatg gataaatctg ccatgccttt accttacact 180
 aatcacctac aatggtactc ttcaaagata aactctgtaa cgcaacataa atctcangaa 240
 gaagaaggta ataacaacan gatactctac acttaccaag actgctttcc acgggtttagc 300
 agctcagctt actcaanaag aagcagagag gcttgangaa gaagatggtg ttgtacctgt 360
 gatacctgag acaagatacg aacttcacac tacaagaagt ccaacgtttc ttggggttagn 420
 aangacatga aantgagaaa ctttggggct gataaa 456

<210> 13038
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-B1

<400> 13038
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tccaccgtcc gacgagactt gttaccctct ctctctcttc tccggcgacg cctttgagta 180
 tcagegacct aatttctctt ctaaccacga ttcttctgct tatgacgacc aagctcttaa 240
 anccgagtac agtagctatg cacgacccgg acccgttgga tcnggatctg antttggccg 300
 gnaacctaata tctggatatg ganggagaac ggaggttgag tatggccgga aaactgaatc 360
 ggancatgga tctggctatg gtggaagaan tgnacgcgat tacgtgaatc ctagctatgg 420
 cggtcacgag gatgaatgtg acgatgggtca caaaaaaa 458

<210> 13039
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-B10
 <400> 13039

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 atgccacggc ggccggccaac tacatctgtg gccagttagg cgacgtcaac aacaaattta 120
 tcgacaccgc ttctgctata gacaacactt accttctctt ctccgcctan cttgtcttct 180
 ctatgcagct tggcttctgt atgtctctgt ccggttcctg gagagccaag aatactanga 240
 acatcatgct taccaacgtc cttgacgctg caaccgggtg tctcttcnan tatctgtttg 300
 gctacncctt tgccctttgga tctccgtcca atgggtttca tcggtaaaca ntactttggg 360
 ctcaaaaagac atcnncaacn gccctctgct gaatactcca aacnttctct accaatgggg 420
 cctttgcaat cgctgctggc tgggaatcac aactgggg 458

<210> 13040
 <211> 73
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-B11
 <400> 13040

cttgatattt cncatgaaag ancaagtctt tngcaaaag tactgccgtt gtgaactcgg 60
 gattgctttt gat 73

<210> 13041
 <211> 526
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-B12

 <400> 13041

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 gtccggcgta aactangtgg gtgcaaagcc aaatatggat gaaaacgcaa gcaaaataat 120
 aagtgcggga cgagcaaaga gatctattgc tcagcctgac gatgctggcg aaagatttag 180
 acaattaaaa gagcaagaga agcgcagcaa gaagaacaag gcggttgca aagatacagt 240
 tgaattgta gaagaatctc agtctgaatc agaagaaggg tctgatgatg aggaagaaga 300
 ggctcgtgaa ggagcgtag ctctgagcac aacaagcaag ccgcttcctg aggttggcca 360
 acgaagaagc aaaagatcga agcggaaacg cactgtatag aaccaaagca aacgaaattg 420
 caagtaagga anagaaaaga gagagatttg aatcctgttc cttagtttga tctttgatat 480
 atatttgcac acancatgtc cngtaattat cctaataatta agggaa 526

<210> 13042
 <211> 405
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-B2

 <400> 13042

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 ttctcacgcg tcaancttct tcccgggtca acacctgctc ccttgggtcg gtctccgcta 180
 tcgggattct ctcttcgca ngattaactc tccaagcttt aagtaaagt ccccggaac 240
 aaagctcttc tgggttcgtg aaaacttggtg ttgctgttga ncaaaaaaac cgaactggta 300
 tcatcagaaa ntgggacang ggggaagtcc ctaacaaatt gctcaaact nccagacgng 360
 atgaaaagct caagaannaa caccctgaac tcntttgaan atgga 405

<210> 13043
 <211> 469
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-046-Q1-E1-B3

<400> 13043
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 antgagaaaa cattctcttg atcgatggnt tttaacagct gttcttgtcg ttctcctctc 120
 gtcttcttcc tccttcgcgg ccaagaagga cgccaagaan aagaagaaga gtaataagga 180
 ggtgacatat gatggaacct cnttgatcat cgatggcaaa agagagcttc ttantctgg 240
 ctctattcan taccgagaa gcactccgga aatgtggcca agtatcatca agagagccaa 300
 gcaaggcggg ttgaacacga ttcaagacat acgttttctg gaatgtacat gaggcctcaac 360
 aaggaaagtt caacttttcg ggacgagctg aattggtgaa agttcaaaan agntgattca 420
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<210> 13044
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-045-Q1-E1-H4

<400> 13044
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 cttttgagaa tcgcttcttc tttcctccat cgttggttca ngantctctc tgcaatgagt 240
 gatttcttcg atgaggggaa gcagcanttc gcaagtgttg ctgatgggaa tgcaccactt 300
 aagtatccaa gcttcaagct acctaatgcg actttcggan atactggnan anatagcgcc 360
 attggtacaa gctaaatagg gggttangntc ctc 393

<210> 13045

<211> 524
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-E9

 <400> 13045

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 tgaccaaaaag gggaatgttg ccgccaagta gttgcaatag cctaattggac cgctctgagt 180
 cccttaagag ggacagtgtg atgggcaatg gtgcagccaa agtgagagga agcttggagc 240
 gcaagaaatc aaagagtttt aaggaaggag atagttattc ttcgtggctc ataacggagg 300
 ctcttgggag tatagccgcc gtgaggagag agcaagtggc ggcaacaaca gactaagga 360
 aactaaagat tgctcattac ggtagatnca aatcaaccat taatttcact tcttccaaag 420
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 ccacttctga ttctatttac gttgcctacc atgatgaana atng 524

<210> 13046
 <211> 525
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-F10

 <400> 13046

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 atcattttacc aaaggaaatc cgtgaggata tggactgtgg aatcatcaag ggaaatggaa 180
 cagaatctgg acggattatt accaccaaaa agaagggttt gaatgatcaa aaagacaaga 240
 caatctctta cagagctgaa catgtaattg gcaactggctc attcggtggt gtctttcagg 300
 ctaagtgtt anagacggaa gaaaaagtag caataaagaa agtggttacag gacaagagat 360
 aaaaaaacag agaacttcag atcatgcgaa tgcttgatca tcctaattgtc gttgagctca 420
 agcattcttt cttttccacg actgagaaag acgagcttta tcttaacctt gttcttgagt 480

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525

<210> 13047
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-F3

<400> 13047

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tccagagcaa ccaaacctct atggatcatg aaaatcaaag cgtgtcactg cttcaaccca 180
cagtccataa ccatcaagaa catctccagt tcccaggaaa catgggtggaa ggaagtttct 240
ttgaagactt gaacatccca aacagagcaa acaacaacaa cagcagcaac aatcaaactg 300
tttttcaagg gaacaacaac aacaacaatg tgtttaagtt cgacactgca gatcacaaca 360
actttgaagc tgcacataac aacaacaata acagtagcgg caacagggtc cagcttgtgt 420
ttgattccac accgttcgac atggcgctcat tcgattacag agatgatatg tcgatgccag 480
gagtngtagg aacgatggat ggatgcagca gangcanccg 520

<210> 13048
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-F5

<400> 13048

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attttctcac aagctcctcg tggcgcgtat gccttcctcg acgcttccac aggtcaaaac 180
ctcaccttca ccgagctatg gcgtgccgtg gaatccgtcg ccgattgtct ctccgagata 240
gggatctgca aaggccacgt cgtctctctc ctctcccaaa actcaatttt attccccgtc 300
gtttgtctct ccgtcatgtc actaggcgca atcatcacca ccacgaatcc actcaaacact 360

tcaaacgaga tcgctaaaca gattaaggat tcaaactnag tctctgcctt caccacatcg 420
cagcttctcc ccgaaaatct 440

<210> 13049
<211> 74
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-F6

<400> 13049

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gtgangcgcc ttta 74

<210> 13050
<211> 148
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-F8

<400> 13050

antgggtanc ttagtggtgg tgataatagg tncctccctt gattggctcc agctttaggt 60
tttttttttt anctttgttt cngcttcgat tcccaaagtt taccctttcg attttggttc 120
tacctantcg agttgactca ntagagtc 148

<210> 13051
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-F9

<400> 13051

nnngggntgn gaatggtttn ctnttcagcc tccggagctc caagtcgncc cagcgtccg 60
aanaaggcgt nggcgatttc tctttctctc ttaaacggag caacgccttt gaaatcgaat 120
tcgctccaca aatctagact cactccactt catcttcgaa ctatctcttg ttctagacta 180
tcttactctc cctcgngtcg cgaaatttct ntcaaaactc aatctacngt tcctatttcg 240

tgtacgcgta gtangtttga cttcgttcct cgttgccgca tttcgtcgaa cgatttgcct 300
 actgagaaaa agnanagctt tggggagtggt gttgagtttg tgggagangc ggtttcgacg 360
 gcgtttcnga tatggggtttc tctgggatgc ttgttgggac tgatgagacc aagtactttc 420
 aattgggtta ctccaaattg gaccattgna ggtctacgat nactangctg gaatgggaat 480
 gactttganc cttgangatc ttcgtggg 508

<210> 13052
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-G10
 <400> 13052

taaaatcnan tacagtagcg ttgtccgttt gttcttgctt ccaaagtcaa accaaccaca 60
 cacgtttggt gttatctctc nagaccacc aatccgaaa ggtagacaa tgtaccccca 120
 cattgttatg cagtttgaaa cagncaccgt tgtcnaaagt gaactgtcaa ttagtgatga 180
 acttatgaat acaaagttca aggacaagct ggagcgatca tataagggtc tcattcatga 240
 agtattcacc accgtgttgc gttggctgtc tgggtgcaaag atcactaaac ctgggaagtt 300
 cccgcanttc ccaagatggg tttgcattga aatcgtctct caaggcaca gatgggggtc 360
 tttatccact cganaaaggg atttttcttc ctacctaacc ctccaacgct tataacttcac 420
 gatgagattg actaagtcca gtttgaaang natg 454

<210> 13053
 <211> 521
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-G11
 <400> 13053

nnnnnnngng gntnnngaac tgggtctcctt ggtaggccc tccggatgtc ccangtcgac 60
 ccacgcctcc ggtcaaaaca aattcgtgat aaacagattg ttgcgattct cggaaaggca 120
 ccaacaattg cagcagctgc ttatttgagg acggcaggca ggctctctgt tcttccttcg 180

gccaaccttt cttattcaga gaatttcctc tatatgctgg attcaatggg caataggtct 240
tacaagccta atcctcgttt ggctcgagt ctggacatcc tcttcatact gcatgctgaa 300
catgaaatga actgctctac tgctgctgct cggcatcttg cctctagtgg tgttgatgtg 360
tacaccgcat gtgctggagc tgttggggcg ctttatggtc cacttcatgg tggcgcgaa 420
gaagccgtgc ttaagatgtt agcagagatt gggactgctg aaaatattcc agatttcatt 480
gaangcgtga agaacanaaa gangaagatg tcagggtttg g 521

<210> 13054
<211> 290
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-G2

<400> 13054
gncccgccg cacanaann cctcctcaa cancaatggc gangacgggtt acactcaa 60
ccttcaccgg acttcgtcaa tcatcatcgg agcaaacaaa cttcgtctct catgtaccgt 120
catcactttc tctcgctcaa ggacggacct ctctccgagt aaccgcagcc agagccactc 180
ccaatntctc caaccgtaaa ctcggtgtcg ccgtctcgg tgggtggacta ncaggngggg 240
canctgcaaa gactntagca caaggaggaa tcgagacgat tcncatcgag 290

<210> 13055
<211> 557
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-G4

<400> 13055
tgtctgnncg gttcgccgg acntcanagg tcgaccncg cgtccgaaa aatcncctctc 60
tctctctctt catcgtcgcc gtcgtcttct ccgtctctc ctctctgtct cgctgctact 120
tcttcttcat ctctggana aataactcaa caaaaacgaa agaangggtc tggtncaaca 180
atcaatgatt cttggattcg aacnggctgg acaataactc cgtcaaatca accaaccctc 240
ccaattcctc caaccaacca accaacgaac caacaaattc cgaaagtccg attcccggcg 300

tttttctcct ccccnngggaa ttaataactc cttcggtcc ttcctccctt cngggagaat 360
 tctcccgggt ctctccctca agnacganc aagaacgaat tccccttacc gggaaaaccc 420
 ccaaaattgc tgaattcgtc aaaattcnag gggtttcaat tgcagggan anatggggct 480
 tttcatnagc cccgattctc anatctcaan ctcaagttct acanattcaa cgcaagcttc 540
 tnaatctctc aatgtgt 557

<210> 13056
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-044-Q1-E1-G5
 <400> 13056

caattccatt acccaatccc gctccttttc tctgattttg aatcgaaccc ttaataccca 60
 gaaatctcac gggtccgagg agtgggtttt tggggggttag ggttttcgag agatgttgaa 120
 tgtcagggttc attgatgaat ctgttttctc tctgcttcaa gccattcggg cacgtctgtg 180
 ataattccga agctggatcg ggtggtggtg gtggcgtttc tgggtggaacc ggcggtgaag 240
 gcaaagacgg attgcttttg ttccgtgatc tcggtaaata ttgcggcgga gatttctcca 300
 tggctgtgat tcaagccaat caggttcttg aagatcagag ccaggtcgaa tccggttaatt 360
 ttgggacttt tggttggtgtt tacgatggtc atgggtggtc tgaagctgct cgttatgtct 420
 gtgatatctc tttaaccatt ttc 443

<210> 13057
 <211> 363
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-G9
 <400> 13057

tncnnatnac cnggggatnc ctnaaacccn ctttaccgga accgacngtg tancaanttc 60
 nccggtcnat tatcgctccc aaaatttcag aattgttggc gggctgaaaa aatcnggagc 120
 ctctggaaaa attatgatat caaggagctc ctgcttcng gtaaaaggta cacaaatgcc 180

gaagctgatt actcacaaaa tatgggtttg gtgcatatct ctgctggaga ttttgctgaa 240
 gggctgaaat cgcntctggg aagtgaaaat ggaagacgtg ctaaaagaac atatgggaga 300
 aaggacaaat tggtcctga tgaaatantt gtaatgatgg taaaagatct ttatcacaga 360
 cag 363

<210> 13058
 <211> 515
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-H1
 <400> 13058

gnnnnnngaa ntggtttgn tngcccgncg gtccggaatc anaaggtcga cccacncgtc 60
 cgcggaacgc nccgcccacg cgtcccgga cgcggtgggc gaaaatgggtg aacattccga 120
 aaactaagaa cacttactgc aagaacaagg agtgcaagaa gcataccttg cacaagggtga 180
 cgaggtataa gaaaggtaaa gatagccttg ctgccaagg aaagcgtcgt tatgatcgta 240
 aacaatctgg ttatggagggt cagaccaagc ccgtcttcca caagaaggct aagacaacta 300
 agaagattgt gctgaggctt caatgccaaa gctgcaagca tttctcgaa cgcccgatta 360
 agagggtcaa gcactttgag atcggtggag acaagaaggg aaagggaaca tctctctttt 420
 aagttgttgt ttcactatc tacttttttt tgttttgttt ggtacctgtc ctgcttcaat 480
 actgtgatat actttgaatc ctaccagaaa tggtc 515

<210> 13059
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-E8
 <400> 13059

tgtctgcccg nncnaccgga aagnacatcc gggncgaccc acgcgtccng gaaaaccgga 60
 ctaattttctt cgggtatgaa ggaagatgcg gcttgcccac aaattttgat gccacatact 120
 gttatgcact tggttatggc gctggagtac tcctcaacag tgggaagacc ggactaattt 180

cttcggttgg gaacttggct gctcctgtgg aagaatggac tgtaggtggg actgctctca 240
cagccttgat ggatgtcgag aggagacacg gtaagttcaa gcctgtgatc aagaaagcaa 300
tgggtggaact tgaaggtgca ccatttaaga aattcgcatc actgcgtgaa gaatgggcat 360
tgaagaaccg atacatcagc ccangtccga ttcaattcac tggacctggt tcaaactctc 420
tcaaccacac tcctacttcc ttgaactcgg ggctcaatag tctctcgact aaaccacat 480
tcctttgcct tttcctgccc 500

<210> 13060
<211> 411
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-D12
<400> 13060

atngccaatn catgntnaan agnatnatnc atccncccta nnaagcatnc nttagattcc 60
catctagtnc cacagancaa ccttttgacn aaagaagagg tttcttggcg agcgtaagct 120
aagacggcgg agtcgccgaa agttcataga gaaagcattg ttttgggtga tgagagagga 180
agtcggagag agtttcgccg ggggaagttta ggagttttgc cggataaatg agaagccgga 240
ctgttgagtt cttccggtgg gtgagcaaaa gctttctgaa atattgccaa tacggtttat 300
ctgggaagaa ctcaaacgan gcaatgtttg tgatcgaagc ttatcgaaca cttcgtgatc 360
gtggtcctta cccagcagat naagttctta gaggtcttga nggaagcttc c 411

<210> 13061
<211> 520
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-D3
<400> 13061

nnnnnnnnga actggtntgc tttggnctg cccgtccgga natcaagggt cgaccacgc 60
gtccgacgaa aacttcttta tggggtctgt gcatttcaag gatgtggctt tagctcatat 120
tcttgatac gaggatccat attcgaaagg aaggcacttg tgcgttgagg ctatctctca 180

6347

ctacggtgat tttgtagcca aagttgctga gctctatccc aattacaatg tccccaagtt 240
accgagagag actcaaccgg gtttacttcg agataagaat gcatcaaaga agctcataga 300
tttgggggta aagttcattt ccatggagga aatcatcaag gaagggtgtg agagtcttaa 360
aagcaaagga tttatctctt aatacctacc tctgtaactc tgtttgattg agcaattaac 420
acaatctcta agcagcanaa acatttcata tgatatacga ttttgcactt ttgtaataaa 480
taanctggcc tatggtatgg tatgaacaaa aaaaaaaaaa 520

<210> 13062
<211> 371
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-D4

<400> 13062
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aanctttaat ttctaatac cgaccaaagt tgatcggaat cctagagctc ttcgtattgc 120
tccgccacca tgcataatcg ggcgcagatc ttcgttaaat ctctgactg tcaaaaagtc 180
gtcgcctctg aattggatcc tgcgcaatct ctattaactc tttcgggtat cacttcctta 240
ctcgaatcgt cgcagcgtat atcgttttcg gnttgctcga ttactccaga tgggaagctt 300
tttgatggnt ccacacggnt tcaagntncc aagctttcnt ncggtaccaa ngcccatcct 360
tttctnnc c 371

<210> 13063
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-D6

<400> 13063
gagaantggt actcttcggt tgaccacaag gcagacgttt cagcttcatt gtgttctgaa 60
gcagaatctt aagactgtga tgagctcgat tattaataat atgggtagca cgcttggtgc 120
atgtggtgat ctgaacagaa atgttcttgc tctgctgca ccttatgtga agaaagacta 180

6348

tctcttttgca caagaaactg ctgacaacat tgcggctctt ctttctcctc aantcagggt 240
tctantnatg atatgttggg ttaaggaaaa gcagttcatg actgctgaac ctccagaggt 300
antnaaggct cnaaanaata actccnatgg aactaatttn gtcnactctc ctgaanccaa 360
tntatggaac caattncttg ccna 384

<210> 13064
<211> 512
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-D7
<400> 13064

gnnnnngnnn gattgtcnag ccggggnta ccggtaagga gatcncgggt cgaccacgc 60
gtccgcttna ttctgatttg gattagaagc tgggtctaaa cctgagatcc ttcttgctat 120
gagctgcttg tgtaaaggta gccctgatgc ctttcttggtg tgcaatggat tcaaagatgc 180
tgagtatata tcattggctc tgcttgggag aaaactggcg ttgaatactg tgattgtgct 240
tgagcaagaa gaagagcttg atctgggttat tgagctgagc cagaagatga atgtgaggcc 300
tgtcattggg ttaagggcta agctgaggac taagcattcg ggtcatttcg gatcaacttc 360
tggtgaaaag ggtaaatttg gattgactac tactcagatt gttcgtgtgg tgaggaagct 420
gcgtaaatct ggtatgcttg attgtctcca gcttctgcat tttcatattg gttcacagat 480
tccgtcgact tcgttgcctc tgatgggtgc gc 512

<210> 13065
<211> 516
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-E11
<400> 13065

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tccgccc aaa cgctcagcaa aaaccaatcc cagatctgaa tctcaaccta aacctcagat 120
tcatcatcat ggcttcttct tctaactacg atggaatcct tctcggtatg ggtaaccac 180

tctctgatat ctctgccgtc gtcgacgacg aatttctcac caaatacgac atcaagttga 240
acaatgcgat tctcgcggaa gacaaacatt tgcccatgta tgatgagatg agtagcaagt 300
tcaatgttga atacattgcc ggaggtgcta ctcagaactc aatcaaagtg gctcagtgga 360
tgcttcaaatt tcttggggca accagttaca tgggatccat tggaaaggac aaatatggag 420
aggccatgaa gaaggatgct acagcagctg gtgttaattg tcactattat gaagatgagt 480
cggcacctac tggaacttgt ggtgtctgtg ttgttg 516

<210> 13066
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-E12

<400> 13066

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angatcagca acgagcatta gctgcttctt tggaagataa caacatgaaa gagtcttcag 120
atgatcaatc aacaataata cctgaagaag tagcagttga agcagttaca tccgcggtcc 180
tgccaacatt cccaccactg ccggaagaac caaagggagg cgatcgcagc ctacaatgca 240
gagttgggat ccgtttacct aacggacaaa gactccagag gaatttcctc aaaacagaca 300
caattcagct tctctgggtc attctgctat tcccagcttg aggaatcaag anaggaagaa 360
nccattgaag ctaacacaag cgattccaag gtgaatcana gacattggag tatgaatcta 420
acttaanctt ggancantct ggtgttgcaa ttccatgac tctgctacgt nggaatgaaa 480
tatcatcata tcnataaaat tagctntatg ggg 513

<210> 13067
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-E2

<400> 13067

gnnnnnnnga ntggtttgn tgcccgncg tccggaaatc anagggtcga cccncgcgtc 60

CCCTGATAT CTCTGCCGTC GTCGACGACG AATTCTCAC CAAATACGAC ATCAAGTTGA

cggaagnagc catggagata gccgccgtta gcaactgtctc cgtcgcgcca caatcgcgca 120
gagtgtcgaa tgcgttctcc aggaatctag gatccgtatc ttctctttcg ttgggtttct 180
ttgagaaaga atattgcttt aagagcccta gccttcgtgt gtctgcagca gcttccatgg 240
acgccgtcac agctgagaaa ttttctccgg cgagttttct agacaaaaaa gaaaccggag 300
ttcttcactt tgtgaaatac catggcctcg gcaatgactt cattttggtc gataacagag 360
actcatcgga acctaagatt actcaagaac aggcggcgaa gctgtgtgat cgaaacttcg 420
gtgttggtgc cgatggagtg atttttgcaa tgccaggagt caatggtact gattacgcat 480
gcggattttc aattcagatg gtantgaacc 510

<210> 13068
<211> 450
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-044-Q1-E1-E3
<400> 13068

aaagagaaat agaattttgc gtttcaagta ctccatctcc gtctcttttc ctccgcatct 60
aaaaccatct gagaaatata tccgacgaag gagaagaaac gaaaatgacg gagactggag 120
taatcggatg tggctgtcgc ggagtcaccg gcggcaattt cttccatccc ggaggatttt 180
ctttgaaatc ttgtttcctc gagcagagta caaagcgtaa tcgtaacttt ttccgaagcg 240
tttctatgat tctccttttc aaacgcggtc gtttcatcac taagttgcgt tccgtcgccg 300
ggaacagccg aatcttttagc atggatgctc gagagaaatc acgatcgttt gtgttggtat 360
catcaaggca caagagagtt ccagtttttg tgatgatgcc gattgatata tttggaattg 420
atgcttctgg gtgtccaaag attaaaaggg 450

<210> 13069
<211> 449
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-E4
<400> 13069

anacgaaaca tggcttcttc ttctacttct ctgaaaagaa gagagcaacc aatttcgcga 60

gatggagatc aacttatcgt tactccgtta ggagccggaa gtgaagtggg tcgttcctgt 120
 gtttacatgt ccttccgagg caaaaatatt ctgtttgatt gtgggattca tcctgcgtac 180
 tcgggcatgg ctgcgttgcc ttacttcgat gagattgac cttcttccat tgatgtcctc 240
 ttgattactc actttcatat agatnatgca gcatctctac ctttaatttct gggagaaaga 300
 cgacattcaa tggggcggtt ttcatgacac atgcaacaaa ggncatctac aaactgttgc 360
 ctacaaatta atgttaaagt gagcaaagtg tcngtgggaa aaaagttggg ccnatgaacc 420
 anaaatncac aagtccaagg ggcaaaatt 449

<210> 13070
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-044-Q1-E1-E5
 <400> 13070

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 tggttcgtga tctccactac attgaagggt ctaaagccat gccaaagggt ttgccaacgt 120
 tggatcaaaa tgaagggtgtg ctaaagcatt ctgctagcgt tcaaagagga agagaatttg 180
 gaactaatct ttggtttgat cttgttgata aaccgaatga atgggtgtgat taccgtgaaa 240
 tgaaacagaa tggatcggtt aatcctaaac accctgattt caagaagaaa gacgggagtc 300
 aagcgctttg gcttaacaat gctcctacag agatattgtc cgagctcaaa gacgtgaagt 360
 ttgatattcc aaaatacgca aaacaaccaa aggccggaga ggaatcatgg aaggacttgg 420
 tacataacat gaataagtgg tggg 444

<210> 13071
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-E6
 <400> 13071

tgcatatgaa agactgcttc tcgatgcaat cgaaggagag aggaggttgt ttatcagaag 60

tgatgagcta gatgcagcat gggatctatt cacaccggct ttgaaggaac tagaggagaa 120
gaaaatcatt cctgagctct atccatatgg aagcagaggt cctgttggtg cacattacct 180
tgcattctaag tacaatgtga gatggggaga tcttgagaa gcttaagctt tcgacagaaa 240
caatatgatt tgggtgttaat atgagtaaac taacttgctg atattatcaa tgcgtagata 300
aatccttggt accaaaactt gctttttctc tgacattttt tgattgtttt tggttctaaa 360
tcgagcattt cggangaatg tnccaaaact cctgcangaa tagaccaatt ccatcattgc 420
aaancaangg gaaaaaatna ggg 443

<210> 13072
<211> 430
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-044-Q1-E1-E7
<400> 13072

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gtggcggttg atgctgagga aggaagacgg aggagagagg acaacatggt cgagatccgt 120
aagagtaagc gtgaagaaag cttacagaag aagcgtcgtg aaggccttca agctaatacag 180
ctacctcaat tcgctccttc ttctgttctt gcttcatcaa ctggtgagaa gaagttggag 240
agtttgccctg ctatgggttg tgggtgtttg tcagatgata gaagtttaca gcttgaagcg 300
actactcagt tccggaaatt gctttctatt gagcgtagtc ctccgattga agaagtgatt 360
gatgctggtg ttgtgcctcg gtttgtggaa tttctcacta gagaggatta tccacagctt 420
cagtttgagg 430

<210> 13073
<211> 427
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-D1
<400> 13073

caaaggccac caatctgaag catttatatc tcaacaactg caaaagtttg gagattccca 60
atagtagaag gaagtgtcac caaaaattgg tgagggttga aatgaaagaa tgcacagggc 120

tggaggttct tccaaccgat gtcaacttgt catctctcga aaccctcgat ctcaagtgggt 180
gctcaagttt gagaactttt cctctgattt caaagagtat caaatggctc tatctggaaa 240
acaccgcat tgaagaaatt ctagatcttt caaaggccac caagctcgag tctttgatac 300
tcaacaactg caaaagtttg gtgacacttc cttctacaat tgggaatctt caaaatttga 360
gacgtttgta catgaaaaga tgcacanggc tggaggttct tcaaaccgat gtcaacttgt 420
catctcg 427

<210> 13074
<211> 134
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-A4
<400> 13074

tggggaagaa naaaaangaa tgtcctggcc tttggctctt cccgggggtgg gtccaancct 60
ggtttgcccc aatgggtngg cctgggaaaag gtttggttgg gttgggggtgg ggtngcctgg 120
cttttccggg nggg 134

<210> 13075
<211> 388
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-A8
<400> 13075

ggaagnancc gggcgccacc tccngaacca tacaagnatn tggaggcaat ggtgaaaant 60
ccagtaagcc catggtatag tanggcaatt gaataaaatg gctgggtttt gtcctgatg 120
aggaaataga acttttttgag ggaaataaag ntttgaacct ttgccgtaaa tgggtgtgaac 180
aagaattgat aaagaaagaa cntcctttca aaggctggtg tccaaatttg aagaatggga 240
gaataaccat ttgntaatc naaaaacctc ctccnaacc aaggagaatt ggaattccan 300
taccananaa gtggcaacca ttttggngt aangttcaaa atcccaaac ccggggcct 360
ttttccaca cctggggnaa aaccnaa 388

<210> 13076
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-B10

<400> 13076

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 tggaggagaa atcaaaagcc gagaaagctc cggcggagaa gaaacnanan gccggaaaga 180
 agtccccgaa ggaagctggt gccggaggcg acaagaagaa aaagatgnnn aataanagtg 240
 tcgagactta caagatctac atcttcaagg tgcttaagca agttcatccc gatatcggaa 300
 tctccagcaa agcgatgggg atcatgaaca gtttcattaa cgatatcttc gagaagcttg 360
 ctcaagaggc gtccaanctt gcgaagtnca ataagaaacc tacnatnact tctcgggaga 420
 ttcaaactgc tgtagattg gtt 443

<210> 13077
 <211> 520
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-B11

<400> 13077

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 cgctccgcc aaaacacaac aagaacagaa ctgagccatg gcttcttctt cttcttctct 120
 tctaactcta gccgttgctt gtttcgtctc gctaattctc ccggcgattt cacaacaggc 180
 ttgcaaatac cagaacttga actccgccgg tccgttcgat agttgcgaag accttccggt 240
 actcaattcc tanctccatt acacctaaa ttctcaaat tcatctctct ccgtcgcttt 300
 cgtcgccact ccatctcaag ccaacgggtg ctgggtcgct tgggctatta accctacggg 360
 gactaagatg gctgggtctc aagccttctt cgcttacaga tccggcggtg gtgcggctcc 420
 ggtcgtgaag acgtacaaca ttagcagcta cagcagctc gtcgaangta aacttgcttt 480

atttgtctgg tggtagacca ncttt

445

<210> 13080
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-B8
 <400> 13080

gaaaagagcc ttatattana tctgctgagg atattgcttt ccatgccgct cttttcgttg 60
 caaaaaatgg aagttacatc aactattaca tgtaccatgg tggaacaaac tttggaagga 120
 cttcatcttc gtatttcatt acaggatact atgatcaagc tcctctcgac gaatacgggc 180
 ttttaagaca gcctaagtac ggtcatttga aggagcttca cgctgcgata aaatcctctg 240
 caaatcctct gcttcaagga aagcaaacga ttctctcctt gggaccaatg caacaagctt 300
 atgtctttga agacgcgaac aatggatgag ttgcgtttct ggtaaacaat gacgctaaag 360
 ccagtcaa atacaattcaga aacaatgcgt atagcttgag tccaagtcaa ttggtattct 420
 tcagaactgc aa 432

<210> 13081
 <211> 518
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-C10
 <400> 13081

nntgggtggn ggaatgggtcc nctcgnacag gntccggac gntccanngt cgaccacgc 60
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 agtggctatt caagcaaggg aagatagctg aagcagaagc tgagtttgag aggctgcttg 180
 gagggctctca tgtgaaaaca gcaatggcag aattatacaa actagatcta gacaagacgg 240
 atgaaccaga tggtgtgagc ctctctgagc tggtatatgg tcggcattca agaggtatgt 300
 agaactcttt gcttttgtcc cgcggaagga actgcaaaca tgtatgttga ttgtgtgtc 360
 tatttgtttc ctgtatagta ctttgttatt cacttgttcc ttttgcagtt gtttttattg 420

gatnaaccct gtttgctttg caacagctat ctggtataaa tgctgttttt tatttctctt 480
ctaccgtatt caaaagtgt ggaagtacca tccggacct 518

<210> 13082
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-C3

<400> 13082

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atttcccaa atttggtaat acgatttcgt caatttactt cgcaatcgat tcaattcaat 120
tatgtctcta ttactggaag agatcattag atcagtagag gctttgctga agctcagaaa 180
tcggaatcag gaaccctatg ttgaccgaa tctaaaccg gttcttctag ttccaggaat 240
cgctggatca attctaaacg ccgttgatca tgagaacggg aacgaagaac gtgtttgggt 300
tangatcttt ggggtgctgat catgaagttt cngaacaaag atgtggtctc gatttgattc 360
ttcaactggg taaaacgata tcctcttgga tccaaaaaac gaagtaattg gttgggtcct 420
caaagacaag agctggggct acatgcaatt ganngtctta gaacc 465

<210> 13083
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-C4

<400> 13083

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gaagagagaa aataagaaga aagatggtag gaagcanaga aaaatcgaaa gagaaacgag 120
ataagagact ccaagagatn tccctccttc gtactattcc ctattctgat caccagaggt 180
gggtgggacct ctgaaaccgt ggcgggtgga acangtgcca atagaggaat aggatttgag 240
atggtgagac aattggctgg acatggacta acagttattc taacatcaag aagacgaaaa 300
tgtaggcgtc gaaaccgcca aagatncttc aagaangntg gattcatggt tgaattccac 360

cggnctccaa natccttggg actccttccc tcaatccaaa aaanttttnc nnaaanggg 420
ttanagnaan aatttgggat ttantgggng gttttaaata na 462

<210> 13084
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-C5

<400> 13084

actcagccat ggcttcttct tcttcttctc ttctaactct agccgttgct tgtttctgt 60
cgctaacttc accggcgatt tcacaacagg cttgcaaact acagaacttg aactccgccg 120
gtccgttcga tagttgcgaa gaccttccgg tactcaattc ctacctccat tacacctaca 180
attcctcaaa ttcactctct tccgtcgttt tcgtcgccac tccactctca gccaacgggtg 240
gctgggtcgc ttgggctatt aaccctacgg ggactaagat ggctgggttct caagccttcc 300
tcgcttacag atnccggcgtt ggtgcggctc cggtcgtgaa gacgtacaac attangcagc 360
tacagcagtc tcgtccaang taaacttgct ttgattttgg gaatctacgc g 411

<210> 13085
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-C6

<400> 13085

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atgatggcca gggtgttgcc ataaaacgag caaaaagga acactttgag aatctgcgaa 120
cggagtttaa aagtgaagtt gaccttttgt ctaaaattgg ccaccggaac ctagtgaagc 180
ttcttggtta tgttgacaaa ngagacgagc gacttatcat aactgagtat gtcagaaatg 240
gtacactccg cgatcacttg gacgggtgctc gtggaacnaa acttaatttc aatcaaaggt 300
ngganattgt tattgatgct tgccatggct tancctatct ccantcttat gcagaangac 360
agataattca ccgtgacata aaaccgtcna acattctact cacanatata tganagccaa 420

annaccagac ttcggctttg cg 442

<210> 13086
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-044-Q1-E1-C7
 <400> 13086

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 tgtactgatt ttgagagatt tcatttttgt ttgtttaccg atccgccgcc gtggattttt 120
 gttttccgat gacgatcaaa gatgagtcgg agagttgcgg tagcagagcc gtcgttgctt 180
 cgccgtcaca agaaaaccct agacattacc ggatgaaact tgatgtctat agtgagggtt 240
 tacagcgact tcaagaatct aattacgaag aagccactct tcctgatttc gaggatcaac 300
 tttggctcca tttcaatcgt ctctctgctc gatatgctct tgatgttaaa gtcgagagag 360
 cggaagatgt tctcacacat cagagattgc taaaattggc tgcagatcct gctactaggc 420
 ctgtcttgaa gttcgaa 437

<210> 13087
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-044-Q1-E1-C9
 <400> 13087

gttnattggt gaatcttccc atttctcat ccaaattccg acataactat cctagccgcc 60
 atttgttctc cacattacaa aaccctcagc agcttcaaaa ctcttccgat ctctccctca 120
 cgctcgcaat tctctcgtct ccattttaat agtttttctt ctcggaatca caaatcttcg 180
 gcttcttggt ccttggcgtg tgtgtgtggt gttgaatggc tcttggttcag cggattccaa 240
 tttctctctc cagtattcgg aattggcaac aagcgaggac caatttgact cctatttggt 300
 gtttacatta caatactgca tcttcttctt cttcaccctt tacagagaag cactctgtgg 360
 agagatacca aagggatcaa tggctgtaca aagcggttga accaacgccca ccatcgactc 420

catctccatc gccatttgaa gaa

443

<210> 13088
<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-044-Q1-E1-A3

<400> 13088

nnnnnnnnng aantggtntg ctntgnctg ntctccggnn atcanngntc gncccgnaacc 60
tcngcangac tttaaactcat ggcggatata atggttgctc atatggaccg acataataag 120
atagatgttg agatctcaga agatgacaag agattaacaa agctttgctc tctaaagaag 180
aaggctataa atgcgacgaa caagtttaag cactcaatga ccaagaaagg tcgaaggcat 240
agccgtgtgg cgtgtgtctc aatcgctgat gaaatcgata cagaagagtt gcaagcgggt 300
gatgctttcc gtcaagctct tatttttagac gaactacttc cctctaagca tgatgatcat 360
cacatgatgc ttaggttctt gagggcaaga aagtttgatc tcgaaaaggc taagcaaatg 420
tggtctgata tgcttaactg gaggaagaa tatggcgag acacgatnat ggaggacttt 480
gatttcaaag aaatccgaag aagtgggtta gtnttatcc 519

<210> 13089
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-043-Q1-E1-A12

<400> 13089

nntcgtactc tctctatcta ctactccatc aagattgtct ggttctgttc cgggtttgat 60
tgattttctac cgtcgccgga gattttgtcg tgtaatcacc tccatggctg aagcgggac 120
ggtttacgtc gatgtagctg gggaaatcgaa gtcggagcat gttactggga agtggttttc 180
ggtgccggag ctccgactgc gtgaccaccg gttcatagtt cctcttgatt attccaaaag 240
ttctcccaaa attaccgtct ttgctcgaga gatcggtgcg gttgggaaag aggagcaagc 300
aatgccgtat ttattgtatt tgcaagggtg tccaggattt gaaggtccaa ggcctagtga 360

agctagtggg atggattcaa agagcttgtg aagagttcga gtggtcctac tcgatnaacg 420
 angaacaggc ttgtccactc ctttaa 446

<210> 13090
 <211> 543
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-A2
 <400> 13090

ngngtnnnng aantggttct gtttagncgg gcccgccgg anatcanagg gtcgaccac 60
 ncgtccgccc aancgncggg aaaaagatat caatgcctgc acatttaatg tatgatggcc 120
 aagatgataa cctgtttgag cacttctcaa ccgttgccca gaggtcgggt gtctacactg 180
 ccaaggacta tgctgatatt ctggagtttc ttgttgaacg gtggaatgtg gagactttga 240
 cagaccttct tagtgaagga cacagggccc aggactttgt ctgaggacta cctgcaagaa 300
 tccgtaaaat tgaagagaga gctcaaggaa gagccaaaga agctgccaaa aacataccat 360
 tcaagctggg atatttggtc gaaatatcan ggcttaagaa gtttactaca caattctctt 420
 tccaattatc ccaagtaagt cataaaggtc ntcaacaacc atttcaccaa tgaagggacc 480
 agtttttaag accacgaaaa gttcatttga atgtgtttgt ttatacnga acattgggtga 540
 taa 543

<210> 13091
 <211> 514
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-A3
 <400> 13091

tgcttgnccg nncnncggan ananatccgg cccgaccnc gngnnaacgc anatacaaag 60
 aagcagacga caacacaaaa ctccgatcat catcatcaac aacaacaaca acaacaacga 120
 tgctgcttcg aatttctggt aacaatctga gacctttgag accacaattt ctgctcttc 180
 gaagctcttg gttatcaact tcgccggagc aatctactca accacaaatg cctccgagag 240

taccaaactct tattggaggt tcttttgttg agtctcaatc atcttcgttt atcgatgtta 300
 taaaccctgc tacacaagag gttgtatcta aagttccatt gactactaat gaagagttta 360
 aagctgcggt atccgctgcy aagcaancgt ttccgttgtg gagaaacacg ccgattacta 420
 nccggcagcy tggtatgcta aagtttcang agcttatacg caanaatatg gataaacttg 480
 ctatgaacat cacaaccgaa gcaaagggaa gact 514

<210> 13092
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-A4
 <400> 13092

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 tgcttatcac tacaactttc cacaaaacga cgtcgtcgaa gaatgcttca actttttcat 180
 ggatgaagaa gacctttcct cttcttcttc tcagcacaan catcanaacc acaacaatcc 240
 taatacttac tactctcctt tcactantcc caagccagta catctcgna catcatcanc 300
 ccntcntcaa nggcccgcagc cgcagcttag cctcgccnta atcctcctcn ggcaacataa 360
 ttnacccttc gggntctcca atagtgaaaa ctccncgttc cttcgacttc tcagcaatgg 420
 ccaagttggg aagactcggg ccttcttgaa ncggnaantg gccttctcct g 471

<210> 13093
 <211> 538
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-A5
 <400> 13093

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 cacgcgtcna aggtaaaaag gagcatctgg gttctctgct cgttccacag ctgaagaagt 120
 cactcatgga atcgatggta ctggtctcac tgctatcgtc acaggagcat caagtggat 180

tggggaagag actactcgtg ttcttgctct tcgtggtggt catgttgtaa tggcggtaag 240
 gaatacagat tctggtaatc aagtcagaga taagatactt aaggaaatac ctcaggctaa 300
 gattgatgta atgaagttgg atcttagctc tatggcttct gtcaggagct ttgcatcaga 360
 gtatcagtct ttggaccttc ccttgaatct tctcatcaat aatgcgggga ttatggcatg 420
 tcccttcttg ctttctancg acaacattga attacagttt gcaaccaatc atttgggtca 480
 ttttctgttg acaaaacctt cttttggaga aggatgaaga aaacagctaa tgaaagca 538

<210> 13094
 <211> 520
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-A9

<400> 13094

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 ccacgcgtcc gatttagaat cttgaaaagg actctggttt attcagaaac ccaagaaaca 120
 acaaggctgg gaagtttctt acattatccg agttcttggt tcttccaaac cgttacagct 180
 ctctcttagg cctcttgata gaagtggaga atgcagctta tttagtggaa catcaaggaa 240
 ttagcgtggt cgatgcggta ctagatgaat tgaagagagc tactactcaa caaaacaaga 300
 caagtgcaag aacaatactg atccagtcta ctgataagtc tgtcttgatg aagttcaagg 360
 agaagaacaa aatgaatcat gacgagctgg tctatagagt cgacgacaac atccgtgatg 420
 tagcagattc ggcgatcaaa gacatcaaga atttcgcagg ctcgattgtc atcagtaaga 480
 aatcagtctt tcctacaaag ggtaaacatc cttgaaaang 520

<210> 13095
 <211> 532
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-B1

<400> 13095

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tccgtctcac tgnangccat attcaaagca gtttccacac atttaatgtg aacacgtttt 120
 ctcactacca acaaaaaaaaa aaaactcaaa tcggaaaaaa aaatgtcggg tcacggacga 180
 tttccggcga gtccaccgat ttcattatct ccgtcgtctt cttccacatc tccgtcttca 240
 cagtcaccgt caacaccacc tgatctaaag caacgagtca tcgcttgtct caacaagctc 300
 gctgatcgtg acacttttagc tctcgtttcc gctgagcttg actcaatcgc tagaaacctt 360
 actcacgatt ccttctctcc gtttcttaac tgtatccaca aactgactc ttccgttaaa 420
 tctcccgtg aggaaacagt gcgttgctct tttaacgggt ctttctcgtt accacggaga 480
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<210> 13096
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-B10
 <400> 13096

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 tgtttttctta ggaagatatg gacgcggcgg cgccccgggt cctccttccg cttcttcgtc 180
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 gagcaaagtc gaaattatca aggagaagag taatttcata aggtatcctt tgaacgagga 300
 gcttttaaca gaggtccaa atgtcaacga agtcancgt gcagcttatc aagttccacg 360
 gtagctacca acagtacaac agagaanaac gtggtggaag atcttactcc ttcattgctc 420
 gaactaagaa tccatctggg aa 442

<210> 13097
 <211> 530
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-B11
 <400> 13097

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 cgggtngacc cacgcgtccg caaaagttac aaaaggagag tatgtcaaag gtttcatatg 120
 caccgttgct gcgtctgctg gttatggtct agtcttatcc ctacaacagc tagcctttct 180
 aaaagtctta aagaagcaaa atttctcaga agttatggat atgataatct acgtgagtct 240
 agtggccagt tgtgttagcg tgggtgggct ttttgctagc agtgagtgga aaactttgag 300
 cagtgaaatg gataactaca aacatgggaa ggtatcctac attatgaacc tagtgtggac 360
 agctgttacc tggcaggtat tctccatcgg tggcacagga ctgatcttcg agctctcttc 420
 tctattctca aatgcaataa gcgttttggg actcccagtg gttcctatct tggctgtaat 480
 cattttccat gacaaaatga atgggttaaa ggtgatttct atgacccatg 530

<210> 13098
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-B5
 <400> 13098

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 aaatgtttgc ttttcatgct tctataatgg caaatacact ganctcaccg ctaattgtat 180
 ttacgagaac cggatccatg gcagtgcttc naagccacta ccgccccatct gcaacanttt 240
 tcgccttcac aaaccanana agaataatgc aaaggcttgc tctttatcaa ggtgtcatgc 300
 ctatatatat ggagttctcg gatgatgcag aagatacata ngcccgggtct ctcaaactcn 360
 tacaggacga gaatatgcca agganggaca acatgtanct cttgtccaaa gtggctcgca 420
 aaccaattgg ccgtgaanaa tcaaccatc tcatg 455

<210> 13099
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-043-Q1-E1-B6
 <400> 13099

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 actatcagag aagggtcccag aaacgattgg agtagagatg aaatcaagtc tgtttatgat 180
 tctcctcttc ttgacctcct cttccatgga gctcagggtc atagacatgt tcataacttc 240
 agggagggtac aacaatgtac cctcctctcc ataaagactg gtggctgtag tgaagactgt 300
 tcatattgtc ctcagctcttc gagatatagc actgggagtt aaggcacaaa gactcatgtc 360
 taaggaccct gtcattgatg ccggctaaga aggcaaaaga agctgggaac aacacttttt 420
 gcatgggtcc tgctggcaag atacaattgg acggaaaaca a 461

<210> 13100
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-B8
 <400> 13100

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 caactttggt tcacaagatc ctgattctca gtttccagct gaatcaggaa gataccatct 180
 ttacatatct tatgcttggt catgggcttg tagatgtctt tcttacttaa agatcaaagg 240
 acttgatgaa gcaatcacct tctcgtcggt tcatgccatt tggggaagaa ccaaggaaac 300
 tgatgatcat agaggatggg ttttcccgga ttcggatacc gagctcctg gagctgagcc 360
 tgactatctt aatggtgcc aaagttgtga gagaactcta cgannattgg ctagcccaaa 420
 ctatgaaggg aaattcactg gttcctgggt ctttgggana 460

<210> 13101
 <211> 518
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-A11
 <400> 13101

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 cntccgcgga agcgtgggta aaaaacaaaa aataaaaaaa tccttcaa at ctttctttta 120
 catatctgac aaaacaatgg ctagatttcc tatagcaata tgtcta atgt taatactagt 180
 agcatcaagt accatatatg aagcgcaagg tgtattctta ttaaggcatt acatgaataa 240
 atttcctaaa aattcccaag actttgagcc ttttgcttac aaaggatatgc ttagttttgt 300
 ggataacctt gagaatatgg ctccggaaaa aggagagtac aaggatttct tctcaaagct 360
 gaaagctttc atgtccttca taaacacggc aaaagggtcg tcttcagagt tccagtctca 420
 aatgaaacaa caagctgagg gcctcttcaa ggctatctct gcattgggtg tcaaaggagg 480
 atcatcggct gatacgaagc aaattgatcg anagtttg 518

<210> 13102
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-G4
 <400> 13102

aaaaannntc cctngctngg nttttcagga taancngana tctatcngta naagaagcag 60
 atacagaatt cagaaacgat gaccgacgtc gatgaatccg ttagacgccg tacagccgcc 120
 gtttccgagt accggaaaaa gctcctccaa cataaggaac tcgaatcccg tgttcgaaca 180
 gctagggaga acttaagagg agntaaaaag gaattcanca agaccgagga tgatctcaaa 240
 gtctcntcaa agtggtgggg caaatattatt gggggaaatg ctttcgaccc cctgggataa 300
 atgaaangat tgattgtgaa aagcgagcaa gtggtccaac gttatgtngg tgggggttgcc 360
 cgaaagcaan agtgggataa aggaaaagcc taanctcccg gnactcnaag ttggttctcc 420
 gatatgacaa cacctaaaca anttatgccg a 451

<210> 13103
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-042-Q1-E1-G5

<400> 13103
 cgtgggctca gatatcgtga ttcttgacga taactttgct tctgttgcaa cggttttgaa 60
 atggggaaga tgcgtgtaca acaatattca gaagtttatt cagtttcagc tcaactgtcaa 120
 tgtagctgct ctagtgatca acttcgtggc tgcagtttca gctggagacg ttcctttgac 180
 agcgggttcag ttactgtggg ttaatctgat catggacaca ctcggtgcat tggcttttagc 240
 tacagagaag ccaacaaacg atcttatgaa gaagaaaccg ataggagag tggcgccatt 300
 gatcaciaaac atcatgtgga ggaatctact agctcaagcg tttaccaaa tctctgtgct 360
 cttggtgctt cagtttagag gaagatcgat ttcaacgtga ctgagaaagt gaagaacact 420
 tgatctcaat acattgg 437

<210> 13104
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-042-Q1-E1-G6

<400> 13104
 gcttcacaca cctttgatca gactggacac acctataaca ttaccggtat cctcaatgag 60
 aagaatttcg atatcaatct agacgcttac aacgggttaca gcaagctcta tttgagtgtg 120
 atgttcgctg tgctctatgg actcagcttt ggttctcttt gcgctaccat ctctcatggt 180
 gccctctatg atggaaagtt tatatgggga atgtggaaga aggcaaagac agcaacaaag 240
 gacaagtacg gtgacgtgca ttcgagattg atgaagaaga attatcaatc agtacctcaa 300
 tgggtggttca tcgcagttct aagttatttc ctttgctttc gcactctatg cttgcgaagg 360
 gctttgacaa acagcttcag ctcccatggg ggggacttat actcgcttgc gccatcgctt 420
 ttgttcctca cattacctaa cggagttat ccaagcaact aac 463

<210> 13105
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-G7

<400> 13105

agaggctgtg aagacaatga gacgtgccaa cangaagcca tactcaangt ccattggttg 360
 tgctaccttn gtactnattc agnataaaga gaactgagaa anctgaattt cntgatgcaa 420
 gncanggaaa ctgctctgcc tgagatnaag gaaaagatca ctgagaccac agattgcnaa 480
 nangctanna aggtggattt tgcttcna 508

<210> 13110
 <211> 538
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-H3
 <400> 13110

ggnnnnngac ggtttccggn ncacggtccg ganaccgggt cgaccacgcg tccgncaaaa 60
 canaattaca canatgggaa ctaataagat tcccaaaacc ctcaacggga accttgttct 120
 tatacttata atcaccataa tgatggtgac tcaactccat ggatttcaac tggagatcag 180
 gaacgagcta tcaggaaggt acaggaagct tgtgtacaaa tgctgggtccc gcgataacga 240
 tttcgggtgg cgacagaact ggccaggcca gtacaaggac tggtccttcg ccatttcact 300
 attccacacc tacttctact gccacttccg tacagcgtat gngacgcgtg gataagcagc 360
 tagtagccgt catgggagtt aaaacaagag tgtggggaca ggaganaatg cacttgggggt 420
 cgttaaagaa aggacgggac tctacttgag acaattggaa gaccaaantt ttttagtaac 480
 aangtatggt aacgaaaagg tggaatgtgn aaaattgaac ntgaatgtcc ncangaaa 538

<210> 13111
 <211> 309
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-H4
 <400> 13111

tgaacgttct nncgtatgng tggatgatcg ntnnctagt ttcgtangct ccatgctcgc 60
 gcatcgaact acctaccacc tacccttctc agttaattca cgggcgatgt tacgctcgat 120
 gatgagttcc ggggcctgtg tttcgtacct aatttgaang aattgttgag ttcgggttac 180

ctaccgcaag anggaactat agaggacggt ccacgtttgg tgtaaacaca cgctacacan 360
acgaacngan gaaggggtcn tgggagcttt ggaagtggna tangangnta nngccgggcc 420
ganttcacgg ntatcgtnant ntaaggggaa acattccggc gngg 464

<210> 13114
<211> 259
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-H8
<400> 13114

aacntcncct tccaaatctc gnggtcnaa tcttcaccaa tcccttcact tcaactcctgt 60
aagtcaaaac tctaataccct cttctttgtt ccccggtgaa gaagacagca catacctcaa 120
tttagttttt gttttgtctt tgctctgtca caaaatcaaa aacttttctt ctgtctttca 180
aaaatagtgg gaattgatag gttatagctc gaaatgcntc gtgtttttgc cntaaaantg 240
gngngaanaa gtgggcaaa 259

<210> 13115
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-H9
<400> 13115

naaccttcta aggtttaagc cttctcgtt agatttagct ttgatgttta aaaatctttt 60
caaagttgta acctttcgaa tcttctgaag aaacccatgt ccatgaatgg tcagagaagc 120
tcttcaattt ctttctcgcc tgagaaaatc ctggaatctc ccagacccat tcacctgcaa 180
caagcatatt catcagctaa tcaattccaa ttgcggcatt ctatctctca aattcttagc 240
ttacttagtc tccagagggt acaactctca tcgttcttca ttcaattcgg tcgtancgtt 300
tgtttgtaaa ctagggcaag ttaaattcgc tgangatatc gttcactcga tgcctaaatt 360
cgggtgtgaa ccaagatggt anatcttana actctctcat tgatgggcat ttgtngaaat 420
gganatatca nnantgcnaa tttgggtttt anagag 456

<210> 13116
 <211> 191
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-043-Q1-E1-A10

 <400> 13116

tctcttacct nnacggcggc natgcgctcc gcctagagct agttctcgcg ccgacgattc 60
 tccgcccttc gatatgtctg tggagacggc gcttantgtt ctcggagtct ccgnaggagc 120
 ttncctcgac gaaattcttc gtgccatnga aatcgattct ggcttctcgt aaggatganc 180
 ccaaacgcta t 191

<210> 13117
 <211> 533
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-G3

 <400> 13117

ggntgnngaa tggctctctgg gnccacggtc cggatnaccg ggtcgnccca cgcgtccgac 60
 anaaacagct cttgacgtta cctgaaaatg gtgaacttcc tgatgatatt gagtatgang 120
 ttgatcttaa ggtgacattt gcaaaccata ggcttaagag agcgtatatt gctctccang 180
 cctgnaaaaa ngcgggtgat tcanacncgt ttaacaccac aggaaactgg catggccctc 240
 atgtgtgtgg ctatacgggt gtgttctgtg ccccggtctt tgatgacccg gacgtcgcg 300
 ttgtggcggg gggtgatttg aatgggtcgg atatcgagg gcatttaccg gctgaacttg 360
 gtttgatgac angatgttgc gatgtttcat ttgaattcaa accggttctg tggatcata 420
 cctaagagtt tcgagaagtt gagcctaata cangactttg atgtcagcaa caancngtt 480
 tgtcngancn ttcccttcng ttgtcctccc ntngnccggc tgttaagttc ant 533

<210> 13118
 <211> 347
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-D10

<400> 13118

aaagagcagn agagtactat cttcctctta aaccaaccat tcaaaatggt gcgtactatc 60
 ttctctttat ctcttctctt tgctctatcn aatgcctctg ttcaagattt ctgtgtcgca 120
 aanctgaatc gcgctgaaac ccctgcggtg tacccttgca ttcgtcccat tcatgtcaaa 180
 gctacagact ttgtcttctc tggcttaggc nntcctggaa acactacaag catcancanc 240
 gccgctgtca caccgcgctt tcgcagctca gttcccggtg ctgaacgggc taggnctctc 300
 tacagcnana cntgacttaa ctctaaagg tgtgattcca angcaca 347

<210> 13119
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-D2

<400> 13119

nnnnngaatt gtttctggc gcacgggtccg ganancggg tcgaccacgc gtccgagaga 60
 acaaaagggt aggctttatt gattactagc cagctcaatt ttctttcttt ctttctttct 120
 ttctctggga gtttgggatt ttcttaaggg tctttttcaa ttctcgctcc attttgtacg 180
 catagaactg gggttgtgtt tacacacata aagctcttat cttttttctt cnttcaatc 240
 gaagaagatt atagagcctg agtgactgga antggtnngn ttccttggag gttttaatgg 300
 ggaagggtgt ttccangcaa nccgattaaa ncanatattg cttccantac atgggctaan 360
 ttcgaaattc ttgaagtaga gatggnagca agggctcgtc gaccgcttcc ttccctaaaa 420
 ngcccc 426

<210> 13120
 <211> 70
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-D7

<400> 13120
 ntcttctgt tctccttctc aagcttttag tcttgaccct tctcancaaa atcagttctt 60
 gtnaactaac 70

<210> 13121
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-E1

<400> 13121
 gcactttatc acattctctc accagacaca aactccagat tcatccgaca atggaaactt 60
 tcagaacatt ccatcttttt ctcttcttct tcttcttcac attcactacn accctgacgt 120
 caccatctca gatcgcagac tgtacaatgt gcacttcttg tgacaaccct tgtcaaccaa 180
 acccttctcc tctcctcca ccgtaaaatc catctcctcc tctccatct cccaccacca 240
 ccgcctgtcc tccacctcct agctccagtg gtggtggtcc ttactactaa ntacctcct 300
 gcttctcaat ctggctctta ncgtccacca ccttcttctc ccagtgggtg ctactactat 360
 ccacctcta aaagtggagg aaactacct tatacancgc ctcaaagcc tatcgttcca 420
 tattttcggt tacagtacaa cctccgccgc naatctggtt atg 463

<210> 13122
 <211> 102
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-E10

<400> 13122
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 ctgatntttc gtttcaaag gcatggcngg ggaaaaggnt ga 102

<210> 13123
 <211> 475
 <212> DNA
 <213> Arabidopsis thaliana

6378 "the" 6378

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-E8

<400> 13123

ctatgttggg gatgcttatg actctggcag caagattgac gacaatcata ttttaaggaa 60
gcttaaacc aaggaaatct ggcattctgac tgtgcttggg tcgattgcaa ccacacaaag 120
ggaatatgtt gctttgcatg cgttttccca gcttaaccac cagatgcaaa atgcaattct 180
caagcctagc ccagagcagt ttcctaatta cggggagcag actcctacag tgcccgattg 240
tttcaactcg agctttgctg gccatttaca cagaagcttt aatgctcctc agttggcagc 300
aattcactgg gccgcaatgc atactgcaac tggtaacaag caagtggggg taaagaagcn 360
agatncaatn ggcaattact cctgggtcaag gggcctccaa gaacangcaa gacacncc 420
agtttgggga aatgttnaaa tgttaccaat ttggttcaan tancagcann tnntt 475

<210> 13124
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-F1

<400> 13124

acttttcacc aaaatgacat tactttcctc tctcggaaga gcctctcgat ctgctccact 60
tgctctaaag ctctctctcc tcggcactct cagcgggtga agtatagtgg catagctga 120
tgctaacgaa gaagctaaca aaaaggagga gcataagaag aagaaagtag ttgtgcttgg 180
gactgggttg gctggtataa gtttccttaa agatctcgac ataacttcct acgatgttca 240
ggttgtgtct ccccgagaact actttgcctt tacgccattg ttacctagcg tcacttgtgg 300
aactgttgaa gctagaagca ttgtggagtc tgtccgtaat ataaccaaga agaaaaatgg 360
ggaaattgaa ttgtgggaag cagattgttt taagattgat catgttaatc anaaagttca 420
ctggtccgac cagtttcaan ggatgattct gaac 454

<210> 13125
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-F11

<400> 13125

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gagaagaatc aagtatcgaa ttggatttcc ctgttggtcc aacatatgaa gtcaactaca 120
ttgatgatga tctctctttg ttctccaaag ccttgaatgg agctaccatt cttgatgtca 180
aagccacaaa gaaagacctc ctggttggtc tttcatcttg ggaagctgtt attgatttga 240
agccaagatt agatgagata tcgaaatgcc cttgtgaagg aatgatgggt actgccgctg 300
cttctgatgg atctacttat gattttctgta gtcgctactt tgccccgaga ttcggaatca 360
atgaggaccc tgttactggg aagtgtcat tgtgctttag ctccattactg ggagcctcan 420
gatgaacaag tgtgaattcc tcgctaaca ag 452

<210> 13126
<211> 539
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-042-Q1-E1-F2

<400> 13126

gggnnnnnng gaanggtttt cctggngcca cgggtccggan naccgggtcg agccacgcgt 60
ncgcgttnnaa atgaattgaa cagtcagcat cgttttgctt gcttgtgcgt ttctctcgaa 120
ctctctccat gggctgttgc gctccaattc agccgattat gcgttcgacc ggatactttc 180
gtgcggggaga atcatctctc tggatccgga tctctccgcc gccggaaagc tttatcagtc 240
cgggtgctcg ctggcgatga gaacgtcct tcgccatcgg tgggtgatgga ctccgatttc 300
gacgccaaagg tgttccgtaa gaacttgacg agaagcgata attacaatcg taaagggttc 360
ggtcataagg aggagacact caagctcatg aatcgagagt acaccagtga tatattggag 420
aactgaaaa caaatgggta tacttattct tggggagatg ttactgtgaa actcgctaaa 480
gcatatgggt tttgctgngg tgttgaagcg tgctgttcaa aantgcntaa ngaagcacc 539

<210> 13127
<211> 532
<212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-F4
 <400> 13127
 ggnnnnnnga atggtttctg gnnacaggtc cgganaccgg gtcgagccna gcgttcggct 60
 tnnacttnna tttnaaatac ccttttctc nctttctcca aatctctgaa aattttcacc 120
 agaatctctg ttcttttttt caccagaatc tctctgttta aaataatagg tgatgatgat 180
 ggatgagttt atggatctta gaccagtga gacacagag cacaagactg ttatcagaaa 240
 gtacactaaa aagtcgtcta tggagaggaa gaccagtgtt cgtgactcgg ccaggttggt 300
 tcgggtctca atgacggatc gtgacgccac tgattcatca agcgacgagg aagagtttct 360
 gtccctcga agacgtgtca agagattgat taacgagatc agagtgcagc ctagcagctc 420
 ttccaccggc gacgtctcgg cttctccgac gaaggaccgg aaaagaatca acgttgattc 480
 tacggttcaa aagccctctg tttcccggcc aaaachagaa gaagttaccg cg 532

<210> 13128
 <211> 300
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-F5
 <400> 13128

gttgaaggaa ncagcgaacg cattattgcg actattnant ctgagaagga agantggag 60
 gcancactga acaaagagag gatgcagact ctccaactaa ggcaagagtt agganaagca 120
 naattacgaa acacagattt gtacaangaa cttcaatctg ttcgtggcca acttgcagcc 180
 gaacaatcaa ggtgtttcac actggagggt gatgttgcag agctaataca aaggcttcan 240
 ncattggaan cactacagnt aggaactcga actcctgcaa cgtcactcga ctgcctcana 300

<210> 13129
 <211> 531
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-G1

<400> 13129
 ggnnnnnnga cggtttctctg gcnacacggtc cggaaatccg ggtcgaccac gcgtccgaaa 60
 ggaacaaaanc aagcaaggat ctgtttcaga gagaaaaaaa agagggttccg actttttgtt 120
 agctagcggc tctactctact ttgtctcccc caaaaaagcc gttagggttt atcatatcca 180
 ccgccttgct ttactctcgc cggagtcgta cggcgaagca cggttgttcg gcgttgctctc 240
 agctttagat tcttctcttc atagctagaa ttcgcgaaag ctgactttag ctgaaacgaa 300
 tttctcctaa ttttcgagat atggcggagg tatcgatggg aagcagcagt agcagcacgg 360
 atctgtctcc cgaggaagag cgagttttca tcagagacat tgctattgct gctgaggcta 420
 atagtaaaga aggcgataca ttttatctca tctctcagag atggtggcaa gaatggattg 480
 agtatgtgaa tcaagaccaa ccatgtaaca caaatnatgg gtcctcactg g 531

<210> 13130
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-G10

<400> 13130
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 tttcccatan gctgaaaana anactaaatt tttgtgttgc ccaccanaag gtttgaaatt 120
 ttgatccgac gatacttgag ctgatttacg ttattagtgc tatttcgatt tcctcaaaga 180
 tttcggtttt tttttccttc taaatttctt aagttaacct ccttgcggtg gcaattgggtg 240
 cacttaagca attcctcttc tggggctggg gatttggttt gcgattgggt tttttttttt 300
 agggtttgat tgggtcgtgg gcctgatttt tcnnctaatt gcnggcaaca gagtctgtgg 360
 gaggnntgan tttggnntna agtgttacct ttttgnntg gggggattca cattcaatcn 420
 gg 422

<210> 13131
 <211> 526
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-G11

<400> 13131

nngnnnnnnnn nggggngang gtcncctggg ttncnnggnc gantcccga tagaccacg 60
 cgnccgaaag acctgagcaa aaactgaaag aaaaaaaaaa aaaaaaaaaa aaagacttct 120
 cctcaaaaat ggcgtttaca ctaggtggaa gagctcgtcg tctagtctct gcaacatcag 180
 ttcatcaaaa tggttgctta cacaaactgc aacaaattgg ntcggatcgg tticagcttg 240
 gtgaagcaaa agcaataaga ttactacca ggagaacaaa catgggtcaa gaattaggaa 300
 tcagggaaga atttatggat ctaaacagag aaacagagac aagttatgat tttctggatg 360
 aaatgagaca cagatttctg aaattcaaga gacaaaagta tctaccggag atagaaaagt 420
 ttaaagcttt ggccatagct caatcaccaa aggtaatggt gataggatgt gcagattcaa 480
 gggatatgcc atcttatgtn ctaggatttc aacctggtga agcntt 526

<210> 13132
 <211> 55
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-G12

<400> 13132

gggaagatgg ccgcaccgat tcgccttctc ancagtttgc gcaccctgat ntggg 55

<210> 13133
 <211> 513
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-C9

<400> 13133

ggngaanggt ttganntgnn cnccgagntc gaaatcccgg ganaganntt ttcnnacgat 60
 atngataatg antatgagaa gctgataaga agaataatc caccaagggt tgtgattgat 120
 aatgactctt gcaagaaggc aactgtgata aggggtggata gtgcaaatga atatgggatt 180
 cttcttgaag ttgtacaaat ccttactgat cttaacctta ctatcactaa ggcgtacata 240

tcttctgatg gtggttggtt tatggatgta tttaatgtca ctgatcaaga tggtaacaaa 300
 gtcactgatg aagttgttct anactatata caaaagtctc ttgggcctga agcttggttc 360
 tccacttcca tgagatcagt tgggtgtcata ccatcaacag acagcacggt tattgagtta 420
 actggatgtg acagaccagg tctgctgtct gaactgtcag ctgttttgac ccatctcaaa 480
 tgcagtgtcc tcaacgctga gatttggaca cac 513

<210> 13134
 <211> 82
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-042-Q1-E1-G2
 <400> 13134

cggggaatga agtcacgatc tccgngaat cgaggaataa agtaactaac ttgggagata 60
 acgatnccgt taaattggng aa 82

<210> 13135
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-D11
 <400> 13135

gnnnngnga actgngtcng ctttgnactg cccgtccgga cgatcaaaaag gtcgaccnn 60
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 agtttgtgga gccgaggcta acttatggga cgattggtgg acggtttagg aaaggcgaga 180
 atccgtttgt cgaagaagcg tatcagcgag ttgcgttgga tcagttgctt aggattgctg 240
 gtattcaaga agatgatttg ttgataatgt ctgatgttga tgagattcct agtgctcata 300
 ctatcaatct tttgagatgg tgtgatgata ttcctccagt tcttcacctt cagttgaaga 360
 attatttgta ttctttcgaa tactatgtcg atagcaagag ctggagagcg tctatacacc 420
 gttacagtcc agggaaaacg cggatgtctc atttccgtca gantaatgtt atgttaaccg 480
 aatctggatg gcantgttnc ctctgtttcc 510

<210> 13136
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-D12

<400> 13136

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gatattttatc tctcgtttct gccggcaaaa tctctccaac atttcatcct tcgaattgag 180
agagttgcaa gtcataatta cttgtttgag ccgctattat catcatctgc atgataaatg 240
gttaaagtga gaagtggata cagttgctag aatgattgat gtctgttggtg taagggaattg 300
gatacaatta ccgaatggaa ngctcataga agctagacta aaggatggat tacaagaaca 360
caciaagaca tggcttcttt taaggctgaa ctgctttaac actgggtaag aaactatctc 420
tcaatatcct aaaatcgatt atg 443
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<210> 13137
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-D3

<400> 13137

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ggaccatatt cataagaaaa ctgattaggg aagtagctgg aatggctcct tatgagaaga 180
gaatcactga gcttctcaag gttgggaaaag acaagcgtgc tcttaagggtt gctaagagga 240
agttgggtac tcacaagaga gctaagagga agagagagga gatgtctagt gttctccgca 300
agatgaggtc tcttgggtgt gctgctgctg ctgagaagaa gatgtagaca tcttattang 360
cttctgtgtt atggcatatt tctttctatt ggaaatcaag ttttggcttc tgtatgctca 420
aaaagcgttt atgtgttggtg ctttgt 446
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<210> 13138
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-D7

<400> 13138

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 cggacactat aatggganga ggatttatga gttttgcatt tgggtgaggcc aattcttggc 180
 ttntctgcct gaggttcaga gtgctgatag gaagggtcca ttcagagaga aggttatcta 240
 cactgtcatc tctctcttna tcnttctgt ctgcaatcag cttcctcttt atggaatcca 300
 ttccaccacc ggtgcggatc cattctattg gatgcgtgct attctgctg ccaancgtgg 360
 aactgtcatg gagctcggtta ttactcctan tgttacatct ggacttgtga tgcaactctt 420
 ggcnnggtnc caagattant gagg 444

<210> 13139
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-041-Q1-E1-E10

<400> 13139

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 attccctgat tcattcgacg atgcactctc agatttaatg gaagctccag catatcaaaa 180
 cggctcttgat tgctctgttt tagccaaaaa cagactcttg ttagcttgtg atccatcagc 240
 tgttcatata gctatgactc tagatccagc ttacttgcgt ggcacggat ctgcagtaca 300
 ttccatctc aaacacactt cttgccctga aaacatcttc ttccacttca ttgcttcggg 360
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 gtctatacct tt 432

<210> 13140
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-E11

 <400> 13140

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 ccaatctgaa gcatttatat ctcaacaact gcaaaagttt ggtgacactt ctttctacta 180
 ttgggaatct ccaaaaattg gtgaggttgg aaatgaaaga atgcacaggg ctggaggttc 240
 ttccaaccga tgtcaacttg tcctctctcg aaaccctcga tctcagtggt tgctcaagtt 300
 tgagaacttt tcctctgatt tcaaagagta tcaaatggct ctatctggaa aacancgcca 360
 ttgaagaaat tctagatntt tcaaaaggcc accaagctcg aatcctttga tactcaacaa 420
 ctgcaaaaatt tggtgac 437

<210> 13141
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-E12

 <400> 13141

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 cctctttaac tctctcttct tctacctctt gaccctctct ctctctctct ggtgatgcgg 180
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 tcttcttctt cttcttcttc tcttctctgt ttcttctctc ctctgcttta aactctgatg 300
 gagttctctt actgagtttc aaatactctg ttcttcttga tcctctctct ttattacaat 360
 catggaacta cgaccacgac aatccttggt catggcgagg tgtgttgtgt aataacgatt 420
 caaagagttg ttactttatc tctcccaaac tctaacctcg ttggttcgat tccttccgat 480

tctgggttcc tccaaaacct ccaaagtct 510

<210> 13142
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-E2

<400> 13142

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ccgaagggttg agaaaaactg acaacaacag aatcgccaag gcttgtggag cagtaattgt 120
gaacaggccc gacgaactgc aggagtctga tatcggtact ggggctggct tgtttgaggt 180
caagaaaatt ggagatgatt tcttttcttt cattgttgat tgcaaagaac ccaaagcctg 240
tactgtactc ttaaggggac caagtaaaga tttcatcaat gaagtggaaa gaaatttaca 300
ggatgccatg tctgttgcaa gaaacattat caaaaacca aagctagttc ctggtggagg 360
agccacagag ctaaccgttt ctgccacatt aaaacagaag agtgcaacaa ttgaaggcat 420
agaaaagtgg ncttatgaag caactgccat tt 452

<210> 13143
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-041-Q1-E1-E4

<400> 13143

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ctcgacgtca ctgcagatca gaaaaagagt ttttaagaaag ctttcaacac atattatgat 180
gctcttgcag atctccttca gtctgagcac aagttacttc tccaaatgga gaaagaaaat 240
gcaaagctgg taaatgctaa aggagagctt agtgaagaca gtgcactctt ttatgaaaag 300
ctgaggaaat catacgacca tctctatcga aatatctcat ctttgggccg aagcacttga 360
tatgcaacct cctgttatgc cagaggatgg tacaactacy ctcac 405

<210> 13144
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-E6

 <400> 13144

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 gtcgccgagt atgcgacctc ttcaccggca agctctgctg cgccatcctc tgctcctgct 180
 aaggatgagg ggaaaaagac ctatgattac ggtggcaaag gtgcgatcgg gcgtgtttgt 240
 cagggtcatcg gtgccattgt cgatgtgaga ttcgaggatc aggaaggatt gcctccgac 300
 atgacatctc ttgaggttca agatcatccc acaaggctgg tgcttgaggt gtctcatcat 360
 ttgggtcaaa atgtcgttag gancattgct atggatggta ctgaaggctc tgtccgtgga 420
 angaagggtt 429

<210> 13145
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-041-Q1-E1-E7

 <400> 13145

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 tccaaaggcg atcaaggaga taaggaagtt tgctgagaag gaaatgggga caaaggatgt 180
 gagagtggat gttaaattga acaagcagat ttggagcaaa ggtatcagag gtctccgag 240
 gagaatcaga gtccgagttg .ctcgtaagag aaatgatgat gaagatgcaa aggaagagtt 300
 cttctctctt gtcactgttg ctgaaatccc tgctgaagga ctctctggcc tcggcactaa 360
 gatcattgaa gaagaggatt aaactatctt atagtaacaa caacatttga tcagattttt 420
 cgagttttgt ttttcgaatc cttatt 446

<210> 13146

<211> 445
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-E8

 <400> 13146

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 gtggttgaag agcgagaaga cgggtgctact gacgttatca tcgttggggc tggagtaggc 180
 ggctcggctc tcgcatatgc tcttgctaag gacgggctgc gagtccatgt aatagagagg 240
 gacctgagag aaccagagag aatcatgggt gagtttatgc aaccaggagg acgactcatg 300
 ctctctaagc ttggtcttga agattgtttg gagggaaatag atgccccaaa agccacgggc 360
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 tttccttttg attcttcggc tcgat 445

 <210> 13147
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-E9

 <400> 13147

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 tttgcttcag atttccccag attatataga attcgatgac aagacacaga attcacatgg 180
 gttttgtcta aaaatcataa aaatcatatc tttttacgga tttgaagatg aatcagaatt 240
 cctctgttgc ggaggcgacg cttcagctta attccggtga aaaaccatcg ccgggatnga 300
 ttccgtttaa ctctcttggg tcaacacgga aacataagca cttcagcgac gagttcgaca 360
 agcacaagct cangtantgc tcttgccgta gttaaaccg ncgtgaaaaa accaaactan 420
 aagatnggna tactaaagtc gatg 444

 <210> 13148

<211> 103
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-F1

 <400> 13148

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<210> 13149
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-F10

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 ttgttttgat ttctggggttt tgtttgtttt ttgatttcgg taatgatatac attgagattt 180
 tgatttcgtg tgatgttgag agattcttaa atgggtctat gtacttcgaa accgaattca 240
 tctaattccg atcaaactcc ggcgaggaat agtcacttc cggcgtctga atccgtcaag 300
 ctttcgagct cttccgttaa tgggtgaagat nagtgtgtaa caacaacgaa caatgaaggc 360
 aaaaagtctc cgtttttccc tttttatagt ccaagtccaa ctcacnaatt cctctccaaa 420
 aa 422

<210> 13150
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-041-Q1-E1-C6

 <400> 13150

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gacaccggag ctcaggtagc tccgatcggt aggcttgaag aggttgcagt caccaccggc 180
gaagaagatg aagacgccgt cctcgatctg aaatcgaaga tgtatcgatt cgataaagaa 240
gggaaccaat ggaaggagag aggagctgga actgtgaagt tattgaagca taaggaaact 300
ggaaaagttc gtcttggtat gagacaatct aaaaccctaa agatctgtgc caatcacctc 360
atttcgtctg ggatgagtggt tcaggaacat agtgggaatg aaaagtcttg tttatggcac 420
gctactgatt tctccgacgg cga 443

<210> 13151
<211> 446
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-B10

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gaatacatgt ttcaaaacgt ttggaggggt caaagcaagg agatggtaag tcagggtgata 180
cgagcttcaa tgtgcttcgt cgccgtgctt tcgccaaagg agaaagatct aatcaagaag 240
ctccccggac aaccttccgg gcggttagttt tagacagtat ggcggttatg tgcccgtaaa 300
cgaaccatcc agtcngtttt tgtactatta ttttgtggaa gccatcaaac ccaatacatc 360
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ttctaaaagc ttgggtccctt ccgchg 446

<210> 13152
<211> 512
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-B11

<400> 13152
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gcgtccgcan tatccancca aaaccagttc tctcggcctt tgagttcagg gcacttgcaa 120

tgactacagt gagatccctt ttgatgtttt atttgcctct tttggagcct aaaacggctt 180
cagaggatga tgatgatttc ctaaacaatg ctgcagaaga aaaccgccac acagacttga 240
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gggtagttca agtaggcatt gaaatctaca ga 512

<210> 13153
<211> 425
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-B12
<400> 13153

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ctccaagccg gtataggtaa atggccggac acaattctcc gagatctcga cctcgatttc 180
cttgacgctc cttttccggc caccgggaaa tcggacgctg agcgtttctt tgaccaccg 240
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ttggcttata tagangacta catgataaaa gaatggacct tttgatgggt cttcttggtt 360
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cctaa 425

<210> 13154
<211> 450
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-B2
<400> 13154

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 taaacacagg tccacgaggt gtgacacgcc ttgtccaagg tgttcaagcc tttgtagggg 180
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 gagctactta cattaagctg ggccagttta tagcatctgc gccaaactttg tccccaccag 360
 aatatgtcaa agaatttcag aactgctttg acaaagctcc tctgtgcca attggaagaa 420
 attcgtaaaa tcttgcaaga ngagcctggg 450

<210> 13155
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-B3
 <400> 13155

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 taactcatta gccgacgtcg ttttaccaaa aaccgctgcc gctttcaccc ccgtcttacg 180
 cgcttacatc cgtaacgcgc gtttcaacac cacagcgact ccgaaacctg cgatcgtaat 240
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<210> 13156
 <211> 529
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB25-041-Q1-E1-B4
 <400> 13156

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caagnnaagc gttgagtatt tctctagctg acccctgcac ggtgtcggat tttcctgcat 240
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atggaggagt cgcgacttgt ttgtccaact tcaatagcgc gtttgataat ttggaaaagg 420
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<210> 13159
<211> 516
<212> DNA
<213> Arabidopsis thaliana
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<223> Clone ID: LIB25-041-Q1-E1-C1
<400> 13159

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tttnnactgt atccataaat atcgtcgctt gaaacatctg aaaaacctct cgtaaacc 240
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taaagcctta gctcaacggc ttcacgagct atgcgcatct aacgacatag catttgatat 360
cgtcgattca catanctacg aacctgaaga tctacctaaa gaaaccctac ttttattcat 420
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<210> 13160
<211> 445
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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CCNH 13160 "Arabidopsis thaliana"

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ctttgggctc agcgtttctga taaagttttac ctaactgtcg ccttacctga tgcgaaggac 180
atttcggtga agtgtgagcc tcaggggtcta ttcagtttct ctgctcttgg tgcccaaggc 240
gaacgcctttg aattcagctt ggagttatat gggaagatta tgacagaata tcggaagaat 300
gtagggacta angaacatca tatttttcaat tcanganaga agagagaagc tgggtggacac 360
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gtgtgatgaa ggatgangag gtcaa 445

<210> 13161
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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gggtctctgca tttgcaatat atttaaaatg gcagcagctt tcttgaatct tggcggctat 180
gttttcggtt tcttctcttc gttcttagct atagtggccc cacagggttcg aggcaatggt 240
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tcttacgatt ctcatccact taacgtcacc aaccatttta attaccatgt caatatagca 360
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cgtaaaacgc acaaaancag cggaaaatgc ctaacttata acccgataga caactgctgg 480
gcgaatgcna tngtaactgg gctaataa 508

<210> 13162
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-041-Q1-E1-C2

<400> 13162

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gaagaagaag aagaagttct ggaatagtca tcatcttctc tgtttctagg ctttgtttat  120
ttgtctctaa agtttctgga ttcaacttct gaagaagata gtagtagtcc acaagaagga  180
tcttctttac cagaaagttg atttggtcag agccaaggaa gatgggttac atgtgtgact  240
tctgtggtga acaaagatct atggtgtact gtcgatccga tgcagcttgt ttgtgtctct  300
cctgtgaccg gagtgttcat tccgctaata cattgtccaa acgacattct cggacacttg  360
tctgcgagag atgcaatgct cagcctgcta ctgtcaggtg tgttgaagaa aggggtttcac  420
tccgtcaaaa ctgtgactgg tccggggccac a                                   451

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<210> 13163

<211> 446

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-041-Q1-E1-C3

<400> 13163

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acggcgcaac cttagcatcc gtctcttgcg cctcctcaca tcttcatcat ctcgcttcca  180
atgagatcct ctgggtccaaa atctgccgat ccacgtggcc ttcttgctcc ggtggttctc  240
gttctttctt ctccgacgct tattctatgg tggaaaccgc cggtagagtc tctgatctcg  300
accgtccggt tccggaattg atctccgccg tggatcttca ctacagaggg aagttgattt  360
ttagtagagt cgtgaagacg gagactacga cggcgtgggt taaagagttc gccgttgang  420
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<210> 13164

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-041-Q1-E1-B1

<400> 13164

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 aacttgccca tctccaaatt ccactactat cgcgtttcnn ttcggngagt ctcggctcgg 180
 ttcggagaga cctcgaggcg acgtaattcg ctgaggaaga agatcatcgg tgatgagtat 240
 tggcgttcga ctccgaaatc ttctgaacca ggtacgaaac ctctaaacga aagccataag 300
 tttggtcact gtgatgattt aagtagcacc ganggatttg caanataggg gttgctcaac 360
 gnttcacant tttgctgaan tgagctttga atgaattggg gtntgctcnn gttagtnana 420
 a 421

<210> 13165

<211> 457

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-040-Q1-E1-G8

<400> 13165

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 tctagctccc aaaatcggtc cgctaggtct cgcaccaaag aagatcggag aagatatcgc 180
 gaaagaaacc gcaaaggaat ggaaaggatt acgtgtaacc gtcaagctca cagtgcagaa 240
 tcgtcaggcg aaagtgcggg tggttccatc agcagcagca ctcgatcatc aggcgttgaa 300
 agagccggag agagatagga agaaggtgaa gaacattaag cataacggga acatctcggt 360
 tgatgatgtg actgagattg ctangatcat gagacctana tctaattgct aagggaattg 420
 aattggaaca gtgagggaaa atcctgggaa cttgtgt 457

<210> 13166

<211> 160

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-040-Q1-E1-G9

<400> 13166

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tgatgangaa tttccttctg cgcactttcg gaagatttgg gcccatagct agtgtcagga 120
ttatgtggcc agagaacaga tgatganaag angcnacaaa 160

<210> 13167

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-040-Q1-E1-H1

<400> 13167

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ctatgtgaac ccgactactt ggacaaagac tcctgggtcca tacaaaaacg aggactgtaa 120
tgtgtgggac aacaaaccag gaactctctg ctacgactgt gaagcctgca aggctggtct 180
gcttgacaac atcaagaact catggaaaaa ggtggctaag gtcaacattg tcttcctcat 240
attcctcatt atcgtctact ctggttggttg ttgtgcgttc aggaacaaca ggaaacgcag 300
ttggtaatag attctaattgc gttgaaacca agactaaggc caagagaaga tatctgaagt 360
gtcatcatct tactgtcaaa gtaagttaaa gcancattta agacaactcg ttgatcgctt 420
tgtccttggtg tgtgggggatt gcaatttcaa tgt 453

<210> 13168

<211> 75

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-040-Q1-E1-H10

<400> 13168

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ctcctacgcc gatna 75

<210> 13169

<211> 435
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-040-Q1-E1-H2

 <400> 13169

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 ttaaaatcaa acgtaatcat aaataaagat cttcttgtn aatttctctt gatcctcgca 120
 aaatcacaga ttcttgaaat tcttttttct tgtcttgaaa ttcttgagtt cttgagttat 180
 gaaaagacaa tggacagagt tatgaaatga taaatctcaa ccaattcctt gtttatcatt 240
 ctatatcagt tgtgattctt cattgggtttt acgttatctc ttgaacaaaa aaacatggca 300
 aacgcagaga agacaagttc aggttccgac atagatgaga agaaaagaaa acgcaagttt 360
 tcaaaccgcg aatcctgcaa ngangtcctt ttgaagaaac agaagtttaa tgggangaca 420
 cgantcatga gattc 435

<210> 13170
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-040-Q1-E1-H3

 <400> 13170

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 actcttatgt tccgtcctgc tgatggaaat gaaacagccg gtgcatacaa gatcgctgtc 180
 accaagcgca agacaccatc tatcttagct ctgtctaggc aaaagctgcc tcatcttcca 240
 ggtacatcca tcgaaggagt ggaaaagggt ggatatacaa tttctgacga ctcttcaggc 300
 aacaaacccg atgtgatctt gattggaact ggttctgagc tagagattgc tgcacaagct 360
 gcggangtgc tcaaggaaag acggcaaaaa ccgttaagag ttgggttcctt ccgttgtgct 420
 ggggaactaa tttgacgagc aatcaagatg aat 453

<210> 13171

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<211>      435
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-040-Q1-E1-H4

<400>      13171
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ttgtttcacc	aatggtgttc	gcagatgatt	tgacaccaat	cccagagggc	aaacccaag	180
tggtgcagtg	gttcaatacc	cacgttggtc	cattgggtca	acgtaaaggc	ttagatcctg	240
ctctcgtagc	tgctgagggt	gctccacgta	tcatcaacgt	gaatccaaag	ggaggtgaat	300
tcaaaacact	aacagacgca	ataaagagcg	ttcccgagg	gaacacaaaa	gcgggtgatc	360
ataaagatgg	ctcatggtga	gtacagacag	aaagnacta	tccacangaa	caaaaccttc	420
aattacattt	ganqq					435

cgtgcataga	ttaggaatct	cgaaacctta	attctgtttt	ctacacgaaa	cccatcaaaa	60
tccaattttg	atcgtttcta	atctctgcc	tttgattctc	ttcatcagtc	acatttaggg	120
gaaacgagaa	gccctaata	ttgattcttt	aatcgccatg	gctaatagct	ctttcaagtt	180
ggaacaccca	ctagagagga	gacaaattga	atcttctcgc	atcagggaga	agtatccaga	240
cagaattcca	gtgatcgtag	agagagctga	aagaagtgat	gttcccaata	tcgacaagaa	300
gaagtacctt	gttccagctg	atctaactgt	tgggcaattt	gtgtatgttg	tccgtaaaag	360
aatcaagctg	agtgccgaaa	agggctatct	tccgtccttg	tgaagaacac	attgcctcca	420
actgctgcaa	atgatgtccn	gcacccaaag	a			451

6402 "430" 430

<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-A10

<400> 13173

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tatgggttta tatctcttta cgaagcatca tatctttcga caaaattgga taaaaacctg 120
caaatattca tcagaccttt tgctacacaa caactcagag actttgttga tactcatagt 180
aatgaagatt ttgggtcgtg tgacatggtg gaaattgtgg tccaagcgtt ggatatgccc 240
tactattggc aaatgagaag gctatccacc agatggtaca tagatgtgta tggaaaaaga 300
caaaattata agaaccttgt cgtcgttgaa ttgccaaga ttgatttcaa catcgtacaa 360
gctattcatc aagangaact caaaaacgtt tccaactggt ggatggagac aggtttaagg 420
taagcaactc tactttgcaa g 441

<210> 13174
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-A12

<400> 13174

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gatcggagag aaaaaagaac caaaaaaaaa aaaaaaacag aaaaaaaann atgattggaa 120
aagttgtggt ctcggtggcc tccatcctct taatagtcgg agttgccata ggagtcgttg 180
ccttcataaa caaaaatggc gatgctaate tgtctccca aatgaaagcg gttcaaggaa 240
tttgccagtc gacatccgac aaagcctcat gtgtcaaaac tctcgagccg gtcaaagaac 300
gaggaccaa acaagctgat naagntttc atgctcgcta caaaagacga attaaccaaa 360
tcgtcnaact tcacgggtca aacngaanta acatggggtc gagcatccgc caaacaacaa 420
aagccgttct tgatt 435

<210> 13175

<210> 13177
 <211> 530
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-041-Q1-E1-A4

 <400> 13177

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 cgacccacgc gtccgcgtca ttggggagggg acgacgacgg atctgtcttt ctgtctactg 120
 aaaatccaaa tttcatcctc tccattttatt taactttttc agatttagtt ttgtcaagaa 180
 aacacaaaat gtcttttctt gcgccttgtc aaatttttga gctgaatatt atttcggccc 240
 aagaattggc gcccgtagga cgggtgatga agacatatgc aatcgcttgg attgatccag 300
 agcgtaaatt gacgactcgg gtcgacaata cgggcggaac aagccctaca tggaacgaca 360
 agtttgtgtt tcgtctagat gaggaagcac tctacgatgc cacatcaata gttgttatag 420
 agatctatgc attgcattgg ttcaaagaca ttcattgttg aacgggtacaa gccttaataa 480
 gtgacctgtt aagcccttct tcggctatga gattcggtac cctagangtt 530

 <210> 13178
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-041-Q1-E1-A6

 <400> 13178

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 cggaacaata caatgtgcag tcgtcacttt cttccttgag aaagaccaa acgcttggat 180
 tctccattcc tactccgagt ttgccacatg tctctatgca ggaattgggg cgtcagcact 240
 ttctttttac gtccaagctt gggctattgc aaagagaggt cctgtgtttt ctgcactgtt 300
 taatcctctt tgtacagtca ttgtcacaat cttggctgct ttgttcttcc atgaagagat 360
 ttacactgga agtttaaatcg gaggattggg cgtgatattg ggactttaca ctgtgctctg 420
 gggtaaagca aaagatgtca tgg 443

6404 "heeeeee"

<210> 13179
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-041-Q1-E1-A9
 <400> 13179
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 ccatcataat ctctgacaga tggaaaaaat tgtcagaagt cactgtcgag aatctcaagg 180
 ctgttggtgt aacaaaatgg aagcatctca tactcaagcc aaacggatcg aagttgacgc 240
 aagtgggtgta caagtcaaag gttaggaata gccttgtgaa gaaagggtag aacatcgttg 300
 ggaatattgg agaccaatgg gctgatttgg ttgaggatac tcctggaagg gtttttaagc 360
 tcccaaatcc actctactac gtacttctta attaagcatc tatcttcatg gcattgtccc 420
 ttgtatccat t 431

<210> 13180
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-040-Q1-E1-G6
 <400> 13180
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 gtcaagcaag cggaatgaact tgaaaacata ctaacaaaaa aatttctcag attcttgtcc 120
 atgagggcag aagcttttca agtactgagg aggaagccag tgcagggcta tgacataagc 180
 tttcttataa caaactacca ctgcgaagag atgcagaaac agaagctaatt tgatttcatt 240
 attcagttta tggaggatat agagaaagaa ataagggact tgaaggagtc agtgaataca 300
 agaggaagac tcgttgctac ggagttcttg aaacagttca tgtaaagcag ctcttgaagt 360
 agtataatgt aacccttcat tgtatcaatc actcgttaat tggtaaaatc catctactcc 420
 tcatttttgc acttccccng ttaat 445

<210> 13181
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-D9

 <400> 13181

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 cccaacttcc tttaagccta gaggtcttga atgcacatgg ttctganncg gagaagcttc 120
 ctatgcatta caagttcaac aatTTTTTCG atctatctca acaagtgggc aacgattttt 180
 tattgaaaac gctgacttat gtaaaacaca taccaagagg gtatacgagc gaactcatca 240
 acaaagctcc gactttcatc ttcagtgcgc cctcacatac aaatcaaaac gccacatttg 300
 atctgcaatc aggatcttct gtaatgacac gactaaatca ttcattggagg aacacgcttg 360
 tgggatttgg tatgctgggtg ggaagttgca attcccgaag gactactgtg atgctacaga 420
 tgttggnata aattgtgttt 440

<210> 13182
 <211> 292
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-E10

 <400> 13182

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 antgataatc ttcgnttcat cgatgaacat aacacntca acctcaatta taaacttggt 180
 ttancccggt ttgctgattt aaccaatgat gagtaccgat ctatgtacct tgggtgctnaa 240
 tcgaccanga gggttntgaa aancagtgat cggtacaag cncgtgttgg tg 292

<210> 13183
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

<213> Arabidopsis thaliana
 <223> Clone ID: LIB25-039-Q1-E1-E5
 <400> 13185
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 tatactcttc acaggaattg taatcgccga gtcattgtag cttttacatc ttagttgatg 180
 ttaatatctt ggaaagacat atttaggctg cctaatatag tgctactgta ggttatgaag 240
 cgctacactt tctcaaatct ctcagaagct tcacagagtt tcgtatcttc tttttttcac 300
 ttgatatctt cgctagcaga aactttcacg ttcatttaca tgggatttga tattgccatg 360
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<210> 13186
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-E6
 <400> 13186

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 cangtcagg agctccacct tcaccttcac cgactgatcc tgggcttgat ttcaatgctt 180
 ttgntttctc cggcatggct ggnatcctca atgatccaag tatcaaggaa ttggntgagc 240
 aantagctaa ngatccttca ttttaaccagt tagctgagca gcttcagaga tctgtgccaa 300
 accggatctc atganggang tctacctaen tttgattcac aacaagtata tgcagacaat 360
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 gntgcangat tcac 434

<210> 13187
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations

<223> Clone ID: LIB25-039-Q1-E1-E8
 <400> 13187
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 cttgctcgca acatcgccgc tgaatctgat cacatcactc tccaatccat caactggagg 180
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 atttacttgc tccctcgatt gtttggttgcg tccttcactt tgggtgttgcc tttcttcccc 360
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 ggattgt 427

<210> 13188
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-E9
 <400> 13188

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 ccgctttctc ttcccaatth ctcttcgtcc tctcgtttta attcgcccat attcgctgca 180
 caggagagta acttgagtgt atccaacgaa aacgaaacca gtgagtggct gatgcaagat 240
 ttttatacat tgagaaaaga tgtagaaata gcatcagctc gtggtgaaga gattagagct 300
 tctgctaatt tacaacaact aagaacaaga gattacaaat ctggaatcaa aagctactga 360
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 ntaaaaagatn gtatgccgg 439

<210> 13189
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations

<223> Clone ID: LIB25-039-Q1-E1-F1

<400> 13189

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tgcagctaag caattcatcg agaataatta taagaattac ttgcaaggct tgcacgaacg 180
aatggagaga ccanggagtt tcaaaagaaa gtgcaaagaa gcccaattac ctgttganga 240
acaagaccaa gatgatgaag aatccggntc ctctgaaac tgaatnaann aaanttnnaa 300
gancttaa at tgggaatgna gaatttgaac ctttgnncgt taatggcaaa ngngncnttg 360
gtgaaggtaa antaagtcct ttgggattac anccgaagtt taagccaagn agaaatttga 420
aaaaacngg 429

<210> 13190

<211> 461

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-039-Q1-E1-F3

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acgcttcac cgtcatcaca agaagaatct catccgtcaa agccgcagga ggaggcatca 120
accaaacggt ggctgttgaa cgtgccacgt ggctacctgg actaaaccct cctccttacc 180
ttgatggaaa tttagctgga gattacgggt ttgaccact cggttagga gaggatccgg 240
aaagcttgaa gtggtatggt caagcagagc ttgttctc tcttttcgt atgctcgggtg 300
ttgcaggaat actcttctc gatctcttc ggaccacagg gattcgtaat ttaccgggtt 360
ggtatgaanc tggagctgtg aaatttgatt ttgctagtag aaaaactctc atagttgtca 420
gtttcnactt atgggggttg ctgagactaa aaggtatatn g 461

<210> 13191

<211> 441

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-039-Q1-E1-F5

<400> 13191

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taacttttga ctctctcggc ttaataaaaag tgactgaagc tcgtgggtcaa gagagaggga 120

ttccgactgt agtgaacaca tggggagaga tgaatgcac tagaagtgtt cttgctgctt 180

ccattgatga ccggttaagg aatccgcttt tggctgttgc aagaaaagat ggcaatgttg 240

aggttattaa cccttgtaat ggtgatcttc acttctcata ctctgtattt ggtgatgatg 300

gttgttcccc tgaggataac gaaatttctg ccctgcactt attcaggaaa aagatagatg 360

atcagacaga aagatcttgc acattgctta catgtacgaa aaaggagat gtgagtctca 420

gatcagttaa atttccagat g 441

<210> 13192

<211> 51

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-039-Q1-E1-F8

<400> 13192

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<210> 13193

<211> 514

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-039-Q1-E1-G1

<400> 13193

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aaggagatc cagaagatgc ctttaagaag actgtcgaaa tcgatcggat gattgatgct 120

cttagagatg caaacctag acaagttgag aagattgttg ttgaaaatat cttgctttt 180

gatgaggttt tttggataag actagcagct aggtcggata cttgtaaatc agaagatgac 240

aagaaggact atgaggagtt agctacaact gtgatgacta tagttgactg tgttgatgaat 300

aagactcggg aaaagataga gacgtctact gatattctga aagggatgtt aagacctgct 360

CC44796.1

atagatggag tggaaagaga tttcatggcc gccaaagat cctgaagcca tcaatctaata 420
gaaaaaggaa attatacaac gggaaaaaga agggcaatta gatgaaggat ttctttcaga 480
agttaatgct cagctccggc aagcaaaaga agat 514

<210> 13194
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-G3

<400> 13194

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attcgtctct ctctttcaat cggagggttaa ttgtttttct gtttgggggt caaagcgaag 120
atggtgaacg ctatggtgga gagagcgacg agcgagatgc tgatcgggcc tgattgggct 180
atgaacctcg agatctgtga tatgctcaat agcgatccag cgcaagcaaa agatgtttgtg 240
aaaggcatta aaaaacggat tggtagcagg aatccaaaag ctcagcttct tgccttaact 300
ctgcttgaga caatagtga gaactgtggt gacatggttc atatgcatgt ggctgagaaa 360
ggtgttatcc atgagatggt ccggatagtt aagaagaagc cggacttcca tgtcaaagag 420
aagattctgg tccttatcga tacatggcaa gangcctttg g 461

<210> 13195
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-G4

<400> 13195

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ctctacgaga actactatta tccanaacgc gaaatagaga gacagagatt tcataaattt 120
cttacttttt aaccccaaag ttctttttcca gacagcgttt tcctctgtcc tttgctcttt 180
gtggggtttac tccttcttcc gggttgata tcccgagcta gtaaagaagg gatccagtag 240
cagaagctga agctaataaa cccaatcata gagaaagctc tctgaacaaa agacattttc 300

tggggtttgtt ttaattaaaa agaaatggcc gattcgacca aagtaagggc tagttcgttg 360
 cccaaaaatg cgagaatccc cttatcagag ctgaagatcc tcccttttcc agttgcggtg 420
 ggctggcttc accgttcctt cgtgcaaa 448

<210> 13196
 <211> 475
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-D7
 <400> 13196

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 ancgctcgat gaccccgatga aaaccaacaa aatcccacgt caaatcccgg agcaagcttg 180
 gtacatgaac ccaattttct caatcctcat tgggaggaat cttaccgttc ggtgcagtct 240
 tcatcgagct cttcttcate ctcacateca tctgggtcaa ccaagttcta ctacatcttc 300
 ggnttcctct tcttcggtcc tttggggatt ccttaagggt cacctggcgc ccgagattaa 360
 caattgggttc ccngctaan ttenaccttt tgcanttga naactaacct ccnggggtggg 420
 ttggaaggnt cctaacctta ancttcaagg ctcttceng cgggtctaac ccctt 475

<210> 13197
 <211> 525
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-B4
 <400> 13197

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 aancgtccgc ccaagcggtcc gccacgcgt ccgcttggtg aggcaccttt gataccaact 120
 gataaaaagt atcaggaac caacagtacc tttgttttca caaataaatc aggacaaccc 180
 acaatatacc gtcccacagg cgcaaatcgg ttctacactt tatgtcctaa ggaattccta 240
 gctctgggag gtggtggacg gtttgctctc tatctagaca gtgagctgct aagcggtatcg 300

agcgcttact cagagacgta tgggaactct tgtctcgag actctcagga ctttgatgtt 360
aaggaagtgg agctatgggg atttgtgtat ggctcaaagt atgatgagat tctagctcac 420
agcaaaacaa tggagcctgg tctttgcaga tggatcatgat cattataaag aaaacccaaa 480
tgaattcaac tgagattcgt ctttttgttg ttgttgttgt tgttg 525

<210> 13198
<211> 532
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-B6

<400> 13198

gnggggnnnn nnnnnngngn nngntttnnn nggccgaant ggttccaagg cntaccggtc 60
cggaattccc gggtegaccc acggtccgc gttctcatgt tgttgagaa gataagattg 120
gtgtcttgc tttgaattta ggtggctctg aaactcttaa cgatgttcaa cttttcttgt 180
ataatctctt tgctgatccg gatattataa ggcttctag accatttcag tttcttcaag 240
ggactatagc taagtttata tctgttggtc gtgctccgaa atctaaagaa gggatgctg 300
ctattgggtg tggctctctt ttgcgtaaaa taactgatga gcaagcggat gctattaaga 360
tgtctttgca agcgaagaac attgctgcta atgtctatgt tggatgctg tattgggtatc 420
cgttcactga ggaggctgtt cagcagataa agaaggacaa aattactaga cttgttgtac 480
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<210> 13199
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-C1

<400> 13199

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taagcaggcc aggttcttag tgtgccaact actgctacta ttccaggat gttctcaaac 120
atgtttccaa tggctcctgg tcagcaacta ggtgcgttc ctgtactgcc agttcaggca 180

atgactcaac aggtacgata tatcaatcta tcttattctt aggttcttca ccttttgtca 240
cgattccctt cctaaaatat gtagtcgcag gcaactaggc atgctcggcg agtctatgtt 300
ggtggccttc caccaactgc taatgaacag gtttggtact tttgttttgt ttaagggttt 360
gtgacttttt gtttattatt gtctatttaa accacatttc aatatccatt gtatgcctac 420
tgagaatggg ttttcatgtc ctagtcggtg tcaacgttct ttagccaagt gatgtcggcc 480
attgggggaa aactgctgg gccaaagtat gcggt 515

<210> 13200
<211> 438
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-C10

<400> 13200
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gcaactgaca agactgtttc gtgtttgggg ctttcgaaga gagtannag attcgcgggt 120
ttcgtcaatt cctgggtttt ctctagattg ctgtttcggg ggtgttttct tttgaggatt 180
taaggggaaac atggaacca acaaggatga taatgtttca ttagcaagca acagctcaaa 240
tttcaagcac ctccagttct acaagatgcc tcgtctctgc caggtttctc tgccattcca 300
cctgtgggtc ctcttcttt tccccacca atgggtccaa tacctatgat gccacatcct 360
ccagttgccc gcccaactac ttttaggcaa ctgttcanaa aaagggggga ttgaaaccaa 420
ntgacnccgg attcgga 438

<210> 13201
<211> 229
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-C11

<400> 13201
tattgacang cgtgtcatcn agaggttcga cnaattgagg ctgctgagat gaacangagg 60
tcgttcangt acnnatgggt gttggacaaa cttaaggccg agcgtgancg tgggtattacc 120

atcgatattg ctctatggaa gttcgaggac caccaagtac tactgcacat tcattgatgc 180
cccangacat cgtgatttca tcancgaaca tgattactgg tanctccca 229

<210> 13202
<211> 262
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-C12

<400> 13202

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aaagcaatgc tcggaaacca gactctgaga acacgtattt ctcagggggg gnaacattga 120
atccgatgtg gaatgaanat ctgatgtttg ttgttgctga gccttttgag gaanccttga 180
ttcccccggt gggaaataag gttncaccna attaagatna aaccttaagc cngtgtncaa 240
tcccgttnen aaacgttcaa ag 262

<210> 13203
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-C2

<400> 13203

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acaatcccag ggaattcttc aagattagct ggaaatccca actggggaac agcaactgtt 120
gttgagtat ttgcaggatt gctatatgga gggagcaaag aagcttctgc ttctgtgagc 180
aaagatgcag aagtgatgtt gaagatgggt agtacacagg ataagcgtga acaacacagg 240
ttgatgcgag atgcaatgga gaaaagggtc atccgagtaa ctctgtggctc cctcattgga 300
gggatgcgtc ttggnatgtt cactgcttcc ttcttttagtc tacaaaactt tttagctgag 360
acccgaggag tgcattgatgt tttcaatgtg gttggagctg gttcagctac tgctgcagtt 420
tttggcctaa tcatgccggg gtctcctgct tggcgtng 458

<210> 13204
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-039-Q1-E1-C5

<400> 13204

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 cttccctctc taacgtaaag caggtaggat gagcatttct gatgaagagg ctgagatcag 120
 cgagtcagag attgaggact attctgaaac accctaccgc cttttacgcg acgggactta 180
 caaggtgaag gtgaatggac agctcagatg cccggtttgt gcaggcaaga agaagcaaga 240
 ttacaagtac aaggagttgt atgcacatgc tactgggggtt tccaaagggt ctgccaccag 300
 aagtgcctta cagaaggcta atcatcttgc tttagctatg tttttagaag aatgagcttg 360
 ctggttatgc agaacctgtt ccacgccctc cagttgttcc tcctcagtta gacgagactg 420
 aaccaaaccc tcataaagt 439

<210> 13205
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-039-Q1-E1-C6

<400> 13205

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 aaactaaagt aaaatgagct tgacactaga gtttctgctt cttctgattg tacttatctt 120
 gagtcaccat gctcattctg gctctattgt caaatccctt cctgggtttg aaggccccct 180
 tccttttgaa ctcgaaaccg ggtacattgg tattggtgag gaagaggaag tgcaattatt 240
 ctactatttc atcaaactcg agaagaatcc agaagaanac cctcttcttc tatgggttaag 300
 tggaggacct ggatgttctt ctcttactgg ccttcttttt gagaatggta tatctataat 360
 atttcgctaa gcattactan aatancttgt ttaaagccgg gggaaataaa tangaccggt 420
 ggctttgaan ttcgaggtt 439

<210> 13206

<211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-039-Q1-E1-C7
 <400> 13206
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 tgagctcatc gccaatgccg cttacatagg aacaccaggg aaaggatttc tcgctgctga 120
 tgaatccaca ggaacaatcg gaaaacgttt cgtaagcatt aacgttgaga acgttgaaac 180
 aaacagacgt gctcttcgtg agctcttggt caccactcct ggagctctcc aatacatcag 240
 tggtatcatt ctcttcgaag aaacactcta ccagaaaact gcttcaggga aactatttgt 300
 tgatgtaatg aaggaagctg gagtgcttcc aggtattaaa gtcgataaag gaaccgttga 360
 gctcgctggt acaaatggtg aaaccacaac cactggcttc gacggacttg gtgaccgttg 420
 caagaagtac ta 432

<210> 13207
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-039-Q1-E1-C8
 <400> 13207
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 taaaagccgt gacgaggtat ggttttagcaa tgttcctcat actcggcttg ttgaagacaa 120
 aggaggtcag aactggattt cacgagacaa gaacaagttc aagtttcctg gaggtggtac 180
 acagtttatt catggggctg atcagtactt ggaccagatg tctaagatgg tttctgatat 240
 tacgtttggc aagcatatta gggttgctat ggatgttggt tgtggtgtgg cgagttttgg 300
 tgcttatcta ttgtctcgtg atgtcatgac aatgtctggt gcacaaaag atgtccatga 360
 gaaccaaatt caatttgctc ttgagcgtgg tgtgcctgct atggcggcag catttgcgac 420
 aaggcgtttg ttatatccaa 440

<210> 13208
 <211> 510
 <212> DNA

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<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-039-Q1-E1-D1

<400>      13208

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aaccagggtca acaagatgag tgagagtaaa ggtatcggtg ttggtctagg tattggtggt  180
ggtcttgtag cgtcagggtc ttgactcca cctccggagg cttatgctgc ggcagaagcg  240
gcggctgcta gttcagacag cagaggacag ttgttggtga ttgttgtagc accggcacta  300
ctttgggttc tgtacaatat cttgcagcca gctttgaacc aaatcaacaa gatgaggtct  360
ggggattaaa atcctatata tatataatat tattataaat catctttggg attcaaatgt  420
aaaattaacc cttgttttaa gggcagtttt aggttacaaa anaaaahnnn aaaaaaaaag  480
gggggccgcc ctaaaggntc aagcttactt                                     510

<210>      13209
<211>      520
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-039-Q1-E1-D3

<400>      13209

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acgaaaactc gaaaaagcta cacacaagaa gaagaagaaa agatacagagc aagaagacta  120
aacacgaaag cgatttatca actcgaaagg aagagacttt gatcttcaaa tttcgtcccc  180
tatagattgt gttgtttctg ggaaggagat ggcagtttat gatcagagtg gagatagaaa  240
cagaacacaa attgatacat cgaggaaaag gaaatctaga agtagaggtg acggtactac  300
tgtggctgag agattaaaga gatggaaaga gtataacgag accgtagaag aanttctacc  360
aagaagagga aantacctgc naaagggtcn aaaaagggtt gtatgaaagg taaaggagga  420
ccagagaata nccgatgtan tttcagagga gttaggcaaa ggatttgggg taaatgggtt  480
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<210> 13210
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-D4

 <400> 13210

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agagcttcac acagattatg gtggtgctgc agtgagatgg gggcttacac atcataaaga  120
gagtgcagct gattgttgcc aggcttgctt agaccaggca aagcgtgcga aacctggaga  180
aacgagatgc aatatttggg tttattgccc atctgagttt ggttgtttct ctccagatat  240
ttatgagcat aaacatcagg agtggttggt taaatagca gagaagcaa aacaagaatt  300
tcaaagacag atattctgag acatâcagaa acaaccaccc aaaagcgcca tctatcgttc  360
catgggtttc aggtgttgta acggcttgag caaaacccat gtggacagat tgatgggaga  420
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<210> 13211
 <211> 519
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-B2

 <400> 13211

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cgtctcgttg ccgttggtgg cgtagtcgga attaatctcc tcggcgttga gattcacatg  180
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atcgttgggt ggnaaatata ctcaattcca ggccatgcct tcacttcaac tattgcagtt  420
aactgagcgg ggtcgggggc ttgtngcgtc aagacggana tctatactgc ttgcggctgg  480
  
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gattgtntctg cnggtggnac tgctgtttac ctgaaatct

519

<210> 13212
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-H5

<400> 13212

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tcactttgct tcaccaaaga gagcttttggc cacactgacg gagaagggcg ttgccttcga 120
gaccatcccc gtcgatctca tgaaaggaga acacaagcag cctgcttata tcgctcctac 180
agccttttgg tactgttctt gctgttgggt acgggtgacta caaatcttc nagtcccgtg 240
cgggtgatgaa gtactnaccn aaaagtncaa gtcacaanga cctgatcttt ggggaaaacc 300
gttnaanaca gaagtcaaan tnaacaatgg cttgatgtgg aaccaacaac tacaaccaac 360
cgctattgaa cttaacgctc aaaaatgttc catcnatcca tgggaattcc canncgaatg 420
a 421

<210> 13213
<211> 290
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-038-Q1-E1-H6

<400> 13213

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acactgtagc tggccaggctc tggctcacca agcagctcgc gcaaaagcat tccatcagtc 120
atatacttca gaactgtttt gtctgaagta caatcctcaa atcgaatgga atagccaacc 180
tcatgtccga gtttgacacc catctcttga gccacacngg cagcnacacn catagcngca 240
actcntcgng gngcgtaca accanactnt ccacgcttng tgtaaccanc 290

<210> 13214
<211> 424
<212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-038-Q1-E1-H7
 <400> 13214
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 cagaagcgga attgatgatt tttattcatc cttcccagag cagaaacgtt tttcaaggaa 180
 tttgtcgca gctcagttct cttctattcc agttcgttct ttttcttct cctatttact 240
 tcttcttttg tttcaagttt tgatttttag gttgtgttct taaccttata ggagaatcga 300
 attgancttt cttgatgcaa tgtttggttg ggganaattc ggtttttctt aaaanaaatt 360
 gggggganca aaccttggtg gtaaaggnaa aangnaacc ttgaanggn ttccaatggn 420
 ntaa 424

<210> 13215
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-038-Q1-E1-H8
 <400> 13215
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 ttatcttttag ttgtatctct tctagatcaa aagttgatag ttccatgaat gctactgctg 120
 ttattgcaga acctaagaaa gttattgaga agcttgaagg tcatccagct ccgactaaag 180
 acactggctg tgccggagagc ggttcctcaa cacctctaata gagcggggaa ttgaagtatt 240
 cttctaagct acggattttc atgtttaacg accttaagtt anccactagg aatttcanc 300
 aaantccttc ccggttaagg ngttttggat gttttntaag gggggatagg ngaanngaa 360
 gcgccctgna acccggnnag ggctaaagtg cgt 393

<210> 13216
 <211> 52
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-A1

<400> 13216

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<210> 13217
 <211> 509
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-A11

<400> 13217

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 cgtccgagaa agcaaagact gagagaacca aggctccgat ctaacaatga ggaagaggac 120
 gtcctgtgcc gttttgttcc ttttctcgtc tctgtttctt cttccagatc aaggggggaa 180
 agttacacgc gaatgcagaa gagagttccg atgatgttac agatccacca aaagttgagg 240
 agaaaattgg tggtcacggg ggtttatcga cggattccga ttagattcat agagagtctg 300
 agtcgatgtc aaagaagacg cttcgcagta acgcggagaa gtttgagttc caagctgagg 360
 tttctcggct tatggacatt attatcaact ctctatacag taacaaggac attttcttaa 420
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 tgacaaagac gttttgggtn aagggacac 509

<210> 13218
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-039-Q1-E1-A12

<400> 13218

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 aatgcaccag actctcctac tgagtttata agtagagata ctagaaaact tttggcagag 180
 agattgaaga atgttttgag aaaagagatg actccttcac atgattctgt gaccaaactct 240

agtagccggtt tgcgacctac tgtgtcggat gcagcgaaac aagctgagga aatcaatcaa 300
gaagatgttt ctaagaaaga gtctttatca ccaagaaatc tcaaaagatc actatctgct 360
cctgtctcan ggacatcggt tgggtaagct tttgttagag gaccggcatg ttttgacaag 420
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<210> 13219
<211> 527
<212> DNA
<213> Arabidopsis thaliana
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gatgactaaa ggtggacttg gaatagccgc gatgtcatc gtggtaatcg attacatgcy 180
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tcctttcctt ggttctatcg tattccttct ctgtgctctt ctctttgaag ctctttgtgt 360
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tacaggccaa tggttcttac ttgcactaaa cgagagcctt cccgggacac ttgtggaaat 480
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<210> 13220
<211> 476
<212> DNA
<213> Arabidopsis thaliana
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<400> 13220

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ggggtttttc ccnttccnt ncccaaagaa ttcaaagggg ggaangaaaa aaggtttaca 180

acngccgaaa atggcaanaa aangaagaat tnccgaatng aatggtnnac aagattcaac 240
 aaaaagntng aaggagaaaa ttgggtnggc cacgggtggg ttaaccacgg ttcgatgtat 300
 tcatagagat ctgatcatgt caagagacct ccataccggg aattgatcag ctgaggtccg 360
 gtangcatat aactccata catacaggca tttctaaaag tgttcattgct ctgatgctgg 420
 caaataggtc tgaccactgc aagactttgg tgaagtgcac tgctactgaa tcaaat 476

<210> 13221
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 gatccggcga ctaattcacc gattatgccg attgatttac cgattatgca cgacagtgat 180
 cgttacgact tcgttaaaga tattggctct ggtaatttcg gcgttgctcg tctcatgacc 240
 gatagagtca ccaaggagct tgttgctggt aaatacatcg agagaggaga aaagattgat 300
 gaaaatgttc agagggagat tatcaatcat agatcattga gacatcctaa tattgttagg 360
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<210> 13222
 <211> 277
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 ttcagcctct gtttcttcaa gctcatcttt cacaagacta ctccaaattt ctctcctttg 180

6426 "1636" 1636

caaancccca nntcaagatt tctcccgggc gtcaatctaa ccgattcgtc tcccccgga 240
ccantaacca acgtcngaac aggcanaagc caaacta 277

<210> 13223
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-A9

<400> 13223

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cgtccgagac aaaacaattt tgagtctctc tattctctat tctctctcct ctccgcctct 120
ctttctctct ctctctatct ccgtcgtcgc aagagtgcac catctttaac gccggggacc 180
ttcccgctgc tctctttctac caattctctc ttagatcttc tcatgcgtct tcttcttata 240
tcttaatcct tcgtcgtaca agtcgcccgc attgagtttt cgtcttccat ggctattcct 300
ctcgggaagc tcaccatcct catcggtgca ggtcttggtg ggtcagtact tgctaaagaa 360
gggagtttac cagatgtctc gagttttgtc tccggtgctc ttaagatggg atttaagcag 420
ctgaagcaag aagaacctgc caaatcagcc agcaagcccc gcaatgatac actaatnggc 480
caagttaaca atcctaagna tgaatt 506

<210> 13224
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-039-Q1-E1-B1

<400> 13224

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tcaaactctc tcttctctca gtcgtcttcc ctctctccgg caacgtcttc cctctcggat 180
actactcagt cttaatgcaa ataggaagcc ctcaaaggc atttcaattt gatattgata 240
ccggaagcga tctcacttgg gttcaatgtg atgctccttg cagtgggtgc actttgcctc 300

ttgggaaaaa ccaagattga ggctcccggtg ctcttcagag gagttgcaca ttcgttgaac 300
 cctactaaca atctggtttt gaaaagttct ttcaacctcc ccaacaactt aatctgccaa 360
 accaagcctc naaattgtct aatccccccc anntcaacgg ggctctcaaa tttccctaata 420
 ncncggtcaa tcaanggcaa nnaa 444

<210> 13227
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-038-Q1-E1-H4
 <400> 13227

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 cataaacctt ttgccgccgt cactaatagg aattaactga tctcgtcaat ggcggaggtg 180
 gaggagattg cgcacgagga gcagaatata gagaagaggg agaagaagaa aggtaaacac 240
 gagaagccga agccatggga tgatgaccca aacatcgacc gttggacaat cgagaagttt 300
 gatccggcat ggaacccccac nggtatgact gaaccagca cnttcncaac actctttcct 360
 caatacanga gaagatatct cntcngggag tttngngcct aatnttnanc tncctcnat 420
 aaagtantng ggtgncccca 440

<210> 13228
 <211> 526
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-037-Q1-E1-F10
 <400> 13228

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 cgtccgctan atcntagatc gcgagcggcc gctcgcgatc tagaccacg cgtccgcca 120
 cgcgtccgcc cgcggtccg aaaaaataat ggcagctttg gcatcaaacc cccaaatgct 180
 aactagacan gctcacggta acaagaagga acaattgtgg aggaaagaga gtttaaattt 240

6428

ggagaagaag tgtgggtttt gtgtgagcgt ttacagtant gaaaagcttg ggaggtcaca 300
 tatggagaaa gaggggagac tannagcctt ttgggtcaaac atagctcagc ctacgacttt 360
 ggagatggaa cccattaaca acgttganga actcgatgct gttctctctc acgcacgcca 420
 actctctcag cctatcatcc tcgaatggga tggcttcttg gtgtcgaann tgtatttact 480
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<210> 13229
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13229
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 ccgtcgtcgg ctgtaacgga atctccgctt gtgatctcga gaaactcaac gttctcggat 180
 gcggaaacgg cgggattggt tacaaggtcc gtcataaaac cacatcggag atctacgctt 240
 tgaaaacagt taacggcgac atggatccga ttttcacaag acagttgatg cgagagatgg 300
 agattctccg ccgtacagat tcaccgtacg tcgttaagtg tcacggaatc ttcgagaaac 360
 ctgtcgtcgg tgaagtatcg attctantgg agtatatgga cggcggaacc ctagaatnac 420
 tacgnggcg gtgtancgga gcaaaaatcg ccggg 455

<210> 13230
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-037-Q1-E1-F3

<400> 13230
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 tttcttcaag gaaagaagag attttgtttt ccgtttcttg gggtttttct tgattctgat 180

ctctgatctg atctcatcat cattgtccgt ggattctccg atggggttct gattgtgggt 240
tctttcaa at tctttcactt ttggagcttt tcttctctct gtcttttgtt ttccctcage 300
tatggcttgg aatgagacca aactcaagag gctctatcaa gtttgagag gaagcaataa 360
atctctatgt ggcgggaggc taatatttgg tcttgatgca tcctctctat atctatcaac 420
catcttgatc ct 432

<210> 13231
<211> 438
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-037-Q1-E1-F6
<400> 13231

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gaatggtcac aaatctgata agaaacttat cagcaagttg tcttcaagct catttggaag 180
gagacaaaagt gtgtgtccta gaccagaag atccagttct gcaattgtgt gcgcagcaaa 240
ggaattacat ttcaacaaaag atgggactac cattaggaga cttcaagctg gtgtcaacaa 300
gctcgcagat cttgttgggtg ttacacttgg acccaaagga cgaaatgttg ttcttgagag 360
caagtatgga tcaccacgaa ttgttaatga tgggtgtgact gttgcaagag aggttgagtt 420
ggaagacccg gttgagaa 438

<210> 13232
<211> 448
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-037-Q1-E1-G1
<400> 13232

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cctcaaaaaa aattttgtgc aatctgattt gatttttact gtcttttctaa gtttcgaaac 120
ggtggatttt gtccgtacgt ggttttgatt ctcgtagatg tcgaagctct gacgtaagat 180
tagagtttcg atttctaggt ttcttataac tatggcgggtg gaatatgaat gctgcgggac 240

cagcttcttc	atacacatcg	ctgtgatagt	gttactagtc	ttgttcgctg	gactaatgtc	300
tggtcttact	ttgggtctta	tgtctatgag	tctcgttgat	cttgagggttc	ttgctaaatc	360
cggtactccc	agagatcgta	tccatgctgc	aaagatttta	ccaagttgtg	aaaaatcagc	420
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<210>      13233
<211>      523
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-037-Q1-E1-G11

<400>      13233
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ctaagattca	tantttcctc	tgtttttttt	ccatattctc	tgaagcatga	caaaagattc	120
acactttcct	ctgttttctt	atgtcaaaat	tagaaccaat	aactgaaaga	tttgggtcaag	180
aagaggaaaat	gggaagaaca	tgtttgccga	gatggcgatt	aggaagacta	atggcaggat	240
tacaagtcac	cttaggatta	ctggtgatca	ctgtgagcct	ctcatgtctc	taccgattcc	300
attccgtggg	ttactttctt	caaaacgaag	acacttgcaa	caatatctac	acaatcaaag	360
aagtcagcag	cgaaggattc	gacctaaagg	cgctgcacga	tcgtgttgat	gaagtactag	420
aaaagatgga	caacttgtac	gagaagctag	agaagacggt	aaaagatatg	gagaagagca	480
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<210>      13234
<211>      519
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-037-Q1-E1-G3

<400>      13234
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aaagggactc atggccattg aagataatac agctcccact aagacgtatt aatctcaaag 180

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gctaatttaa tcaaccatga gtttcttgatg attagttctc actaacttga tgtaaattct 240
tgaaaagggg agcgagttca tagaaaactg gatccagatc tgtgcaccgg ccaagaacag 300
gatcaagcag gattgtaaaa gacctaagct ttgaagatca gtgcaccaac tgtgagaagg 360
aaaccgtgaa cgtgtccttg gggaatcntt tgtcttaacc attcgtgaga gaaagagtgg 420
tgaagaacaa gcttgccata agaggagctc actatgattt cgtaaaaagg aacgtttgat 480
ctttgggaac ttgacttcaa gactaacct gcctttgcc 519

<210> 13235
<211> 523
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-G4
<400> 13235

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cagacagaag gttgcagaag ttgaaaagct tatgcagagt gttcggaat tagaagaagc 180
tgttcttgct ggtggtgcag ccgcaaacgc agtgagagat taccaaagga aattccaaga 240
aatgaatgaa gagaggaaaa tccttgaacg ggaattggcc cgtgcgaagg taaatgcaa 300
cagagttgct actgtttag ctaacgaatg gaaagattct aatgacaaag tgatgcctgt 360
aaggcagtgg cttgaagaac gtagattttt gcaggagaaa atgcaacaac tacgcgacaa 420
acttgccata gctgaccgag ctgcaaaatc tgaagctcag ctgaaggaga aatttttact 480
gcggcttaga gtgttagaag agagtttaaa ggggcctacg aac 523

<210> 13236
<211> 515
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-037-Q1-E1-H3
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6433

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ggcatgttg cgccatctga gaaacatcct ggaagtttac ttgaaggatt tacgcagact 240
caagtaagta cacttgcagt aaaagatgac tttctgggtg ctggcgggtt tcaaggagaa 300
cttatttgca agcatcttga tagaccgggt gtcagctttt gctctcgtat gacttatgat 360
gataatgcta taaccaatgc tattgagatc tacaacaaac ccagtgggtgc acttcatttt 420
actgcgtaaa ataatgactg tggagttaga gactttgaca tggagagata ccagcttggt 480
aagcattccg ttttccttgg gcatgaatca ccac 515

<210> 13237
<211> 419
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-037-Q1-E1-H6
<400> 13237

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attcgccgtt accggcggtc tcatcaccaa gctcaccgct ggactcactg aggaagacgc 180
caagaactcc aagtttgtcc aacaacacag gcggtgatct actgacgtga gttgtccaag 240
ctgagaagcc gaagcgttct tatggaaact actgagagtg cttcagcttt caaacctgtt 300
ctaataacat gaaagagagg attatagaca ctatcaatct ctcgtttctt tttctctgtg 360
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<210> 13238
<211> 404
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 13238

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cccacaaatc aaaatcattt cttttgccga ctaattgaat ttcttagaat tcaacatacg 180
 caatgaaaat gttctcgtca caaagattag actaatccga ctgtgttttt aatcaatcat 240
 cattttattt aggggagaga agttgtaaag ttttgatttt tttttctggg ttttttctgt 300
 gagaccaga ngaagaacag agagaggaag aangagaaga nannnnnate gctttctctn 360
 eggctttcaa caagaanctc gnnttttccg tcatcagtgg tnaa 404

<210> 13239
 <211> 64
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13239

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 caat 64

<210> 13240
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-037-Q1-E1-H9

<400> 13240

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 gttgcttccc ctagtgtgcc tgtgccacca ccatcttcat caaccatagg atcaccactt 180
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 aagaaaatag caatgcaaac agctatgaag acgatgatga accaaatgaa tacgcaaaat 300
 agccagttta ataattctgg attcccatca ggatcacctt ttccgtttcc atttctctct 360
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<210>      13241
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<212>      DNA
<213>      Arabidopsis thaliana

<223>      Clone ID: LIB25-038-Q1-E1-A10

<400>      13241

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tcaaaaaaga accaccgcct ccggtggtac tcgttctctc gctctttgat taccctcctc  180
tctccgcccc cactaggatg ttggaatcat catataattt gttgtttggg aagcttgcat  240
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tgaagcctac tgatgaccc ccatgtggatt tggttgcac tgtttcgggt gctgtagatg  360
gtagagtgga aggagatttt gttgggaatg cggagtctcg ctggcaaagt gatgttgatg  420
attctcatac ttttggtg                                     438

<210>      13242
<211>      517
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-037-Q1-E1-F1

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tggctcgctc gtttgagact aacagtaccg ttgtgttggc gatcatcttc ttcggatggt  180
tatttgcgtt gtcctctgca atagaagagg ctacgaagtt aggatcagtg atagggatag  240
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ccaatgacca aggaaaccgt attacacctt catgggttgg ttttactgac tctgaaagac  360
tcattggtga ggctgctaag aatcaagcag ctgttaatcc agagaggact gtcttcgacg  420
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<210>      13243
<211>      447
<212>      DNA
<213>      Arabidopsis thaliana

<223>      Clone ID: LIB25-037-Q1-E1-C12

<400>      13243

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gctcctgctt caaagacctc ttcactcttt gatggcgctt ctggatctcg cttttccaag  180
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tgatgcgggt gtggtgggag ctggtggtgc tggctttagg gcggcgattg gggtatcgga  300
gcatggcttt aacaccgctt gcattactaa gcttttcccc acaaggtcac atactgttgc  360
tgctcagggg ggtattaatg ctgcactggg aaatatgtcc gaagatgact ggagatggca  420
catgtatgac actgtcaaag gaagtga                                     447

<210>      13244
<211>      312
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-037-Q1-E1-C2

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gttggtgttt caattattat tgagaaaatt gtatgttctt gagaggattt gtgatactat  180
ttaatcatct ctggattcca aaaatttctg gggattattg gatgttgatg agaaaaaaaa  240
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<210>      13245
<211>      518
<212>      DNA
<213>      Arabidopsis thaliana

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<223> unsure at all n locations
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<400> 13245

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tgatttcatac gctgaattct tgggtttacc gcttgtgcct ccattctatg gatctcataa 180
tgcaaacttt gaaaaggag ttaatttcgc ggtaggggga gcaaccgctt tggaacgttc 240
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gatagaaaat gctttgattc tcatggggga aattggaggg aatgactata actacgcgtt 420
cttcgtggac aaaggcattg aagagatcaa ggagctgatg cccctggtga tnactactat 480
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<210> 13246

<211> 445

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-037-Q1-E1-C6

<400> 13246

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aaattagggt atggggagct ggtgctcaaa gaagattgag taaatctcat gttttggtat 180
ctggaattaa gggcactggt gctgagtttt gtaagaacat tgtgttggca ggagtaggta 240
gtgtgactct gttggatgat cgattggtta caacggaagt cttcaacgca aacttcttga 300
ttcttcctga tgaaaatgct tatgtaggca aaaccgtagc tgagatttgt tgtgattcac 360
ttaaggattt taaccctatg gttcatgttt caatagagaa aggtgatttg tcaacacttg 420
gtgttgattt ttctgagaag tttgg 445

<210> 13247

<211> 530

<212> DNA

<211> 449
 <212> DNA
 <213> Arabidopsis thaliana
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<400> 13249
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 aagcagcgtc gccgttcaag acgaggtaca gagaaaacga agaagaagaa gatatgacga 180
 ttaaaccggc ggttcgtatt tccgacggga atctaatac caaaaaccgg acgattctaa 240
 ccggtgtacc agataatgtc atcacgacgt cagcatcgga agctggaccg gtagaaggag 300
 tcttcgctcg agctgtatct aacaaggaag agagtaaaca catcgtaccg atcggtacgc 360
 ttcgcaattc ccggtttatg tcttgtttcc ggtttaagct ctggtggatg gccagagaa 420
 tgggagaaat gggccgagat attccctac 449

<210> 13250
 <211> 523
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-037-Q1-E1-D3

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 ctccattgac attttgagat ctatctagct ctgtttttct ttttagaaca aaatggtggc 180
 gaaaccaagg tcaagatggt gttgtttag tgtgttcac gccgttatca tcttaatcgc 240
 tataatcatc gctgtcattt tcacaatcag acatagatca aaccactccg atgatgatgg 300
 ctccaatggt aaaaactacg ctaatgctct caagatcgct atgcaattct tcgatatcca 360
 gaaatctggt aagcttgaaa acaacgagat atcatggaga ggagattcag gtcttaaaga 420
 tgggaagcga gcaagtatcg atctttcgaa aggtttgtac gatgctggga gatnacatga 480
 agtttggttt cccaatggct ttcactgcta cagttctctc atg 523

gnnnnnggaa ctggtctgcc tttgncctag cctccggan atcnaaggtc gacccangcg 60
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 tgatcttgga attgttttaa tcaatgtatg attaacttaa agagtatgaa tgtgtacatc 360
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<210> 13256
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 13256

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 gaagttggaa gcatactctt gtggaaatta actgttgatg gagagccaaa agtgtcaaag 240
 gatatgattg aggcgattga tatgaagatg aatatgatcc agtggagggt gttagaggga 300
 cctctgaagg aagagtacaa tattttctcg aaaacgatga aagtaagccc taagcaagga 360
 gggctctggaa gtgtgggtgaa gtggaacttg aagtatgaga gaattgatga gaaggtggct 420
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<210> 13257
 <211> 516
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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ttagatccct taccgccgaca aagacaccaa aattcttgag ggcgagagag ctgattgatg 180

tctttggtat ctggagccag ggacatgggg ttcgacgaca acaacaacaa canggaacaa 240

caaggatgga gatgatgaga actcctcctc cagaacaaga gccgacgacg atgctcttag 300

tcgacagatg agcgaatctt ctctttgtgc taccgaggag gaagaagacg acgattccaa 360

attgcaattg ggtcctcagt acactatcaa gagaacatnt cgagaaggac aaggatgatg 420

agagtctgag gaaatggaag gaacagcttc tcggaagtgt tgatgtcacc aanattggag 480

agactcttga tccggaagtt aggattgata ncctng 516

<210> 13258

<211> 454

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-037-Q1-E1-A10

<400> 13258

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caccaaatac gctgagagtt ttgagtttgt acccaagacc cttgcagata atgctggcct 180

caatgcgatg gaaatcatag ccgctctgta cactggacat ggatctggaa acacaaaact 240

aggcattgac ttanaggaag gtgcttgtaa agatgtttca gagacaaaag tatgggatct 300

ttttgcaacc aagttatttg cccttaaata tgcttcagat gctgcatgca ctgtacttcg 360

tgtagaccag attataatgg cgaaaccagc angtggacca aggagagatg cagctcaagc 420

tgcanagtgt ggtgcngatg aagactaanc cgng 454

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<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

6444

<223> Clone ID: LIB25-037-Q1-E1-A11

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<210> 13260

<211> 516

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-037-Q1-E1-A3

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gttttctcgg tgtcgacgtt ggcactggaa gcgcccgctc cggtttggtc gatgataatg 180
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tggcggttga tgctgaggga tctcctgtta cagtgtcgtg gagtggtgat tcaagaagaa 420
acattattgt atggatggac catagagctg taaagcaggc agagagaatc aactcattta 480
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<210> 13261

<211> 517

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 gctgaaatct taatcaaaga caaacatata ccgcttagtg ggagatttc catactcggg 420
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 aaatcaactg gaaacgcagg ctcgagagtt ggatgtt 517

<210> 13262
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-037-Q1-E1-A6

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 cccagtgcga gttgatgtta gtgcg 445

<210> 13263

<211> 447
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 tttgcatggc ttgtgagtct tctcaatgga tcaaagcatt ttcagagaaa cagttctcta 240
 gaagtgaaac ctccaagcat tttccttatg gaacttatac gtagatgtct tgtcttggga 300
 gccttaggat atgagctggg tttgaaatca gcatttctac tcgcagagat tgtgggaggc 360
 cgtgtcttaa aggagaagct cataaaactt cctcttatgc ataaaagctc tgcaattggt 420
 ccattgaaac agagttctac tcntgtt 447

<210> 13264
 <211> 522
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-037-Q1-E1-A9

 <400> 13264

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 atcatcttct ctttccactg acacatctat tccaccaccg gaaaacaacg acgatgatga 180
 tgatggggat ttctgtctac caccacacat tggattccaa tatgcatcgc caccaccacc 240
 aatgttccaa ggatattaaa accaatgtag tagtgacagt gttaccatt tttaacattt 300
 ctgtccattt tttccatgtg aattatttgt atcaaacgaa aaagatatta caaagatgaa 360
 aaacaacgac gatgatgatg atgggggattt cgtcctacca ccacacattg gggtccaata 420
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 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-037-Q1-E1-B10

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 aaacatccta atatcatccg gttcaaggag gtgatcctga cacctactca tcttgctatt 360
 gtgatggagt atgcttctgg aggagagctc tttgatcgaa tctgtactgc cggtagattt 420
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<210> 13266
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-037-Q1-E1-B12

 <400> 13266

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<210> 13267
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-037-Q1-E1-B4

 <400> 13267

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 acccacagat ttcttgtctg aaatttaggg ttagcgaagg tttggatcaa tgatgcaagg 180
 tgaagtacaa ttgcagccac cggattcaca gaaactaagt gattccgctc ctttgtagg 240
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 cgatgagata aaggctgaag aagatttaga gaacgatgct tcttcagctc cttgttgtcg 360
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<210> 13268
 <211> 506
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-037-Q1-E1-B5

 <400> 13268

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 gatcttttta ctctaagtat acaccgcgaa ttgacatctg gagtatangc tgcatttttg 360
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 aacgcccgga ngacttnac cngcgg 506

<210> 13269
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-037-Q1-E1-B6
 <400> 13269

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 ggatcttttt actcaaatct ttaccacaaa ttttaccagt tctcttgtcc acaagctgat 180
 gagattgtta tgacgggtgct cgaaaaagcc atagctaaag aaccaagaat ggcagcatct 240
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 tcctgcgccg acattct 437

<210> 13270
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-037-Q1-E1-B8
 <400> 13270

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<210> 13271
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-037-Q1-E1-A1

 <400> 13271

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 ccgatttggg gatctcgtag tgctgattgc ttcgagaagc ttgaacagat tggatgaagga 180
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 aagatccgta tggacaatga aagagaaggg tttccgataa ccgctatccg ggagatcaaa 300
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<210> 13272
 <211> 289
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-E4

 <400> 13272

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 gatccgcagt ggaggacatg actacgacgg tangtcgtat ttatcaacca ttgatttcgt 180
 tgnctagac atgttcaatc tccggtctat caatanagat tctaaactcg acatgcgtgg 240
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<210> 13273
 <211> 70
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

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<210> 13278
<211> 85
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 13278

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<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-F4
<400> 13279

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atgatgatga tgatgatgat attatggagt ctgatgttga actccanaac tctgaagtag 300
ttnaaccaaa caatgagcct cctcagccga tgggaaaacc tactgctnaa gtgaccgatg 360
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<211> 84
<212> DNA

<213> Arabidopsis thaliana
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<210> 13281
 <211> 451
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13281

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<210> 13282
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 tatctgaggc tcatcgtccg atagatttca acgaagaagt acttgaaaag gacttgcatg 180

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<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-G11

<400> 13283

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<210> 13284
<211> 235
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-G4

<400> 13284

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tatggcccaa taattatcan agcaccgggtc gcttcnagaa caacaatatg acgagtccgg 180
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<210> 13285
<211> 131
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13285

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<210> 13286

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-035-Q1-E1-H11

<400> 13286

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ccttgaatth gtgcctgaga ccgtcaatcg tggtgcaaga agttatagta ggacaaacca 300
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catccataat tcctttgggc cttgtcaccg tgatatcaag cctcaaaacc tgctggtgaa 420
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<210> 13287

<211> 453

<212> DNA

<213> Arabidopsis thaliana

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<400> 13287

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<211> 344
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-H4
<400> 13291

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ttacnaggat tttcattttc tcntctgttt tcgtttcaaa ttcaggaaaa tcttccgttt 180
caatccgggt tanatcggtt ttttaacaatg tcgatggtaa ctgtcaaagt taacaacgtt 240
tctcttgaag caacagaaag agatntcaag gngttcntcc ctttttccgg nganattgcc 300
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<210> 13292
<211> 447
<212> DNA
<213> Arabidopsis thaliana
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<400> 13292

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 gtcgtcagta gcagaagctt catctccgac ggagtctcag gctacaagga gacgaagagg 300
 aaggccaagg aagaatcttg agaaccaga agatttcaag aangaagaat ctgaagaaga 360
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<210> 13293
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 <212> DNA
 <213> Arabidopsis thaliana
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 gttccttctg gctgccagtg cagccgatgc aagagtccgt actgaagcan aggctagtct 240
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<210> 13294
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13294

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caagcatcgc acttgtttaa aatcatcttt ttcggttaaca acttaactct ttataaacc 240
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tattttgcgg tttcntgggt gttattttta ttgagttggt ttttaagccg ttagggcttt 360
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atgttgcttg tttcagaaaa gaanctgcta aaaa 454

<210> 13295
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<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-C6
<400> 13295

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aaaaagttaa agcttgaaag gttgcatcag tgatgctaan tcatgaaaat ctttattggt 360
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cgcagagaat accgacgaag agaaacatta ggaaggngat ta 462

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<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 13296

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tgtttttacaa atttgaccg taatttttga acattacaaa aggaaaccct attatctgtt 180
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 agaaaccaat caattcgacg ttgaattttg tccggttgag catcctattg aaccggagga 300
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 <212> DNA
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<223> unsure at all n locations
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<223> unsure at all n locations
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<210> 13299
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
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<210> 13301
 <211> 532
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13301

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 aagatgacaa ctttaanctt agggttctgc tacagaccaa tgatttcttc tccaaggatt 360
 ctaatccaca tctctgtttg taagttcaga tatatatata tatatatata tatatagtgt 420
 agttttcatt tagtatacca ccaatatctg tatagatctt cttttaaact tcatcaanat 480
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<210> 13302
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-D9

<400> 13302

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gcagaaaact tgcgtggaag gcctttcagc atgttgctgc atatgattct gcggtttcag 120

aatggctatg gaagcagact gaaggaaaag agaagttccc tcccagcttt acagttccgc 180

ttgtacttaa gagttctctt cgttacgggtg aaaatcctca tcaaaaagct gcattttatg 240

ttgataagag ccttgctgaa gtgaatgccg gtggtatcgc aacagcgatt caagcatcat 300

ggaaaggaaa tgtcatataa caactatctt gatgctgacg ctgcatggaa ctgtgtgtcn 360

gaatttgaaa anccaacatg tgtagtcctg aaacataaaa atccttggtg ggtggccncc 420

ctgaaaaaaaa 430

<210> 13303

<211> 207

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-035-Q1-E1-E1

<400> 13303

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atgatggcat ctttggaacg tcnggtggga ttggtttcac aaangcgaat gagctattcg 180

ttgtgtcgtg ttgctatgat tggnttc 207

<210> 13304

<211> 450

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-035-Q1-E1-E10

<400> 13304

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atctatgcaa agctgggttg aagattgtag cagcagctcg tcgtgttgat cgtctcaact 120

ctctctgttc tgaaatcaac agctttgggtg caatcggagt ccaagccgca gctcttgagc 180

tagacgtttc atcagacgca gacactattc gaaaagcggg taaagaagct tgggaaatct 240
 ttggaacgat cgatgttttg attaacaatg ctggaatcag aggcaatgtc aagtctagtt 300
 tggatttatc aaaagaagaa tgggacaaag tctttagaac caacttgacc ggatcttggt 360
 taatatccaa atacgtctgc cttttgatgc gtgacgctaa gcgtgggggg ctcggtgant 420
 aacgtcnctc gatttcctgg gcttcacgc 450

<210> 13305
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-E11
 <400> 13305

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 tctctccctt ggtttggaaa ctgccggtgg tgtcatgacc actttgatcc caaggaacac 180
 aaccatccca accaagaagg aacaagtctt ctccacctac tcagacaacc aacccggtgt 240
 gttgatccag gtgtacgaag gagaganagc cagaatcaag gncaacaanc ttcttggtaa 300
 atttgagctc tccggaattc ctccaagctc ctccgtggtg tccccagat nanantctgg 360
 ntttgacatt tgatgccaan gggnatnctc aatgtccct gctgnggaca agacaccggg 420
 ccnaanaaac a 431

<210> 13306
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-E12
 <400> 13306

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 actaaagatt ccatctgata tgatcatata caagcttgta aaagtgtaca taatgtcaac 180

ttcattgaga aaatcggctt tagcggctct tgccaaaaca ttaactgtac cgcagttagc 240
 gtatcttcgg gagcaattca cattgttggg gccaaagcaaa aatggatata tctcgatgca 300
 gaattacaaa acagcaatcc taaagagttc aacagatgct atgaaggatt ctcgagtgtt 360
 tgattttgtt cacatgataa gttgtcttca atacaagaaa ctanactttg aagagttttg 420
 tgcttcagca ttaagcgttt atcagctcng aaaca 455

<210> 13307
 <211> 532
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-C2
 <400> 13307

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 ctccgtetca ncttcacctt tccctttttc aaaatctctc tctctctctc tctttttaga 120
 tccagtttta gggttttctt ctctgtgagc gaagatgcgt gagattcttc atattcanng 180
 aggtcaatgc ggaaacaaaa tcggttccaa nttttgggaa gtggttaatc tcgagcacgg 240
 gattgatcag acgggacggg atgtaggaga ttccgagtta cagcttgaga gggttaatgt 300
 atactacaac gaggcgagtt gtggaaggta cgttcctcgc gctgttctca tggatttgga 360
 gcctggaacc atggacagtg tcagatctgg tccgtacggg cagatctttc gaccggataa 420
 cttegtentc ggtcantcgg gtgctgggaa taactgggct aaaggctcact aactgaagg 480
 tgctgagctt attgatcgg tcttgatgt tgttcgcaaa aaagctgaaa aa 532

<210> 13308
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-A10
 <400> 13308

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ctccaaatca tggaaccgcg ccgctctttaa ctccctccgc cgccttaaaa ccatgccgtg 180
gttggttcgtc tacanccaga gaaattctcc gccgtacacc atggcgacga tggcgatggc 240
ttatgatccc aagtcgagg cctggatcga gctcaagacc gcatcatctc ccgtcgaaca 300
cgtctccggt gctcgatcct ctcactccac gttgctctac gctttatctc cggcgagatt 360
ctctttctca accgacgagt ttcatctgac ttggcaacac gtggcaccgc cgaaaagttt 420
ggnggatng atcaatccgt ngtgtgtgtc cggacgggan c 461

<210> 13309
<211> 334
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-A11
<400> 13309

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gtctgttagt aatctatcta cactaatgtt gttactcttc aatgtattca gtatcatatt 120
tatgttttct gttcattgaa ttagtcaaaa agcatttggc tttacaatcc ccaatttctc 180
actaaaaaca gatttcacaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaanaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaaaaa aaaaaaaaaa aaaaaaaaaa 300
gggggggcnc cctannggtt ccanncttac ttnc 334

<210> 13310
<211> 456
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-A12
<400> 13310

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tttggettgc ctgccttacc taatgccact gcatgaaact tggatgtatg cagaaaccgc 120
ttaccatctc caccatttcc tagaagattt tgaattctta acctacccat ttctaggcgc 180
cataggaaga ttaccaagct ggttctcat ggcttacttt tttgtagctt atctagggat 240

aacaattacg gctcttttcgg ntgtcccaag ggng

514

<210> 13316
<211> 368
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-B10

<400> 13316

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tctcctcaca ccactcatct tctcctcct cctcctctca ccattttcag tctcagatgc 120
tggttccatc ggagtaaact acggccgaat ctccgacgaa ctcccctccg cattcaaagt 180
agtccaacta ctaaaatccc aaggaatcac gcgagtcan aatcttcgacg cagaccatca 240
gttctcaaag cattatccgg atntggaatc aaagtcaccg tagatntccc caacgagtta 300
cncttctccg gccgccaaag gaactttcct tnggcngttt tcanggggtn naannngcna 360
nngntttc 368

<210> 13317
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-035-Q1-E1-B12

<400> 13317

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gacggttctc gggtttatttg aatcagtcac gccaggctaa gtatgagaca gagctgcatt 180
acgatgagat tgttttcggga acgatagggt atgctcaaat cagggtattta tcgggaatct 240
cagcgcaaga gctgttcttg tggttacagg tgaaaggaa ccgagtcgac gtgcctagct 300
ctggcttat attcttcgac gttgggtgtc ttcgcaagca atactctttg tctttgttcg 360
agacaccaag agattgtgtc gcgggttcgtg gcgatgccga gtttantggt gaaaacaang 420
gtcaatctc gatgttgcca attgtatcaa gtnaatt 457

ttaaaattca tgtaaaaaaa atctacaaat caaagagaga aacagagtaa agagaaagag 120
aagaagatgg cgcggaataa ctttcagaga gaagttttgc cggtaacggc tttggtaata 180
atggaatgtg caaacgttgg tttaaacact ctgttttaag cagcaacttt gaaaggcatg 240
agctttcatg tcttcacgtt ttactcttat ggtctcgctg ctctgcttct tcttccttct 300
ctgttttgc ttttcagatc aagaactctt ccaccgatga atttctctat tctctacaaa 360
atcgtgctct tanggattat tggatgctgt tcaaacataa tgggatacac agggataaat 420
tatagttctc caacacttgc ttctgnaatc aacaac 456

<210> 13324
<211> 452
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-034-Q1-E1-H8
<400> 13324

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ctageccaaca agctcttctt cctcactcat ccagatgttc cagacatcga gaaagtccag 180
ctcaagtctg aggttttggga tttcatcaag atcccatggt atggctcctt tgtacgaaac 240
cctaattgcc tcttcggtgc tggatttggga tnaaagcttg ttagagtcta tgcggggccgc 300
taatgaagaa gagcttaaag aagctcgacg agaagattgc aagatgcaga agaaaatttg 360
ggtgaaagtg aagttcgtga aanccancct tgctaaggcc tgtanttcac caaggattaa 420
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<210> 13325
<211> 458
<212> DNA
<213> Arabidopsis thaliana
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<400> 13325

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tantctccac ttcacaaact tcgtaatcaa aacatcaccc tctctttctc accgcttccg 120
 ctgtccccgat gccgtccccg natccactgc tcagtttcgg ccggtgagac tacaatacaa 180
 tccatggagg aagctccgaa gatatcatgg ggatgcgaga ttgattcact tgagaacgct 240
 acttctcttc aagaactggc tctctgattc aggtctccct ccgcagaaaa tggctattga 300
 tagagtgcac atcggtgagc gaggcctcgt cgcttcacaa gaatctcatg aaaaggagag 360
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 aagttncgg cnttcatgaa tggatgaatat cnaatatt 458

<210> 13326
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-035-Q1-E1-C12
 <400> 13326

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 gaacttggcg agtggttggg attggtagag atttactga gcaacaacca tctctctgga 120
 gagattccag cttcactctc tcgtttgacc aacctcacia tcttgatct atctggaaat 180
 gcactgactg gatctattcc aaaggagatg ggcaactctc ttaagttgca gggattaaac 240
 ttggcgaata atcagctcaa tggccatatt ccaagaaagc tttggcttgt taggtagctt 300
 ggtgaagcta aacttgacta agaacaagct tgatggaccg gttcctgctt ctcttgggaa 360
 cttgaaagag cttacacaca tggacttgag ccttaacaac ctaagtggcg aacttcatca 420
 gaactgtcta catggaaaaa cttgtcnggc ccc 453

<210> 13327
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-H7
 <400> 13327

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 gggtggggat ggggttttcgg tgttccaaca gtcgcatgg ttatcgcggt ttgctttttc 180
 ttcttcggaa gccgttttta cagacttcag agacctggag ggagtccact tactaggatc 240
 tttcagggtta tagtagcggc ttttcggaag ataagtgtta aggttccaga ggacaagtct 300
 ctgctctttg aaactgcaga tgatgagagt aacatcaaag gtanccggaa acttgtgcac 360
 acagataact taaagttttt tgacaaggca gcggttgaga gtcaatctga tagcatcaaa 420
 gacggggaag tcaatccatg gagac 445

<210> 13328
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-H8
 <400> 13328

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 tcttacatga gcatcactgg cgcgtccgag tcaactcgca ttcagagact tgaggaacat 180
 ggcaataatc tccctgaagc gatcaatgcc cactttagag atgtcgaaag aagcatttat 240
 gatgactcaa gcttagacac tcgttcanac tacaatgttg tggaagataa caatcacgtt 300
 cgtggtagcg agactaggcc agttaacgag tctangcaa tccttgggcg cacttccatc 360
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 ggata 425

<210> 13329
 <211> 471
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-034-Q1-E1-A1
 <400> 13329

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 tcaactcaatt tcaatcttgc tttctgattc agattctggg ttttcttcag aattcccaga 240
 gaaagttggt ggaattgaat ttttcaentt tttggttcat aaaagttcta agtcattnta 300
 ngatgaacat ggggcaaagg ggaacaagag caanncccta naattactta acctttgggg 360
 tcaagaaccg attcccttgg ggaatggcaa tnaaaggaac aattgggaga attcccttgg 420
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<210> 13330
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-034-Q1-E1-A10
 <400> 13330

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 acccatgaag ctaaacagtc ttctccaaca aggggttgctc caaaaaacca caaaagcaac 180
 caacttgatg agattctgag agattacgaa gctgtattgg gatagagact catgttcagc 240
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 ttgttgaatt tgggtgttaga ttgggtttta ctttgaantt gtgatttgct cctaagtcta 420
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<210> 13331
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-034-Q1-E1-A12
 <400> 13331

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<210> 13332
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13332

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<210> 13333
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-034-Q1-E1-A4
 <400> 13333

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ggatgggaga agatcctctt gttgaagttt ggatgtctga taatctacct gaagaagnaa 360
atataggtgt tgattcatgg ngtgtctcgg taaacactgc gaatagatgg gggaaatcgt 420
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<210> 13334
<211> 506
<212> DNA
<213> Arabidopsis thaliana
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<400> 13334

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taagaactcc tggatatgant ccgttaaaga taccgttgac tangncaagc tcggtaacan 420
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<210> 13335
<211> 443
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-034-Q1-E1-A7
<400> 13335

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 ctctcttgag aatttcacg aaaggattaa agacgcatgt cgtttcacc tctccgtgt 180
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<210> 13336
 <211> 89
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-034-Q1-E1-A9
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<210> 13337
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-034-Q1-E1-B1
 <400> 13337

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 gtcaaaactac ctctctctcc cttctccac tccgaccaat caccaaaaga cccttacctc 180
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 aaatctctc tctctgctaa aaagctacgg ngggtactca agtctctctc agctttggna 360

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<210> 13338
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-034-Q1-E1-B10
 <400> 13338

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 aatctccccc taatctgttg tttctcgctt cttcttctgt taatcatctg tctttcaaaa 180
 agaaagaaaa aagaaaaatt cgatttctgg gtttgttttt gtcatacaga aaaaaatcaa 240
 gcttatgaat ttgtgtttta ttttttgttt taatttgaaa ggcagggtttt ttcagaacga 300
 gatcgttttt tcaaatttct tctgatttta cctctttttt tcttcttaga ttttaagtga 360
 atcnaagggt gaaanttttg attccctctt ttcgggatct acacagaagg ttgcgtaatt 420
 caaanccctt tanattcaat t 441

<210> 13339
 <211> 457
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-034-Q1-E1-B2
 <400> 13339

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 taatctccag ctaaccaccg atgaagcgaa caatcaacga agtcgtcgga tctacctccg 120
 tcaatactct cgattcctcc attgctaaga agcctgtctt cctcaccaaa aaacagcggg 180
 aagagttagc cctaaaacgc cgccaggatc aaatctccga gcaacgtgtc cgtcgtgagc 240
 aacttggtcg ccccgagccc gagacggaag atgtctccaa tggagatacc aatcgggata 300
 aggatcgaga tagagatcgg gaccgagacc gagaacgtga ccgagatang gagagagata 360

aagccaatcg ctcaagtacc tcacaaagtc atatctcgga tacaanatnc agtgcgggaa 420
gcacgangtt tacgaagact gtgtatccgc gatgagactg tacaagagaa tgcgggatna 480
agagcatggt tgtagtgnna aagcaagnaa ggaatgg 517

<210> 13342
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-F12

<400> 13342

tnttccgana ttttctcacc aagctcgaa acaaagatcg gccatggnta cgctcttcac 60
cgtcgctcgt ccttcttcac tcctctatgt ttctccata aatccaagca agaccttctc 120
tccttctatc tccctaaaac ttaactctct ctctttctct tttgggtatc gtcccaagcc 180
actccggttt tctaaaatcc gatcttctct gccctcggaa tctgaatcgg aatccgacct 240
agatgcgtct gcagttacag atgaatgggg tgagaaacct ggagatgcan atgagcccga 300
ctctcagcca gataatgtga ccgtgaatgt gattanggac gantgggggc gagaaatccg 360
ggacccgaaa ctttgaggaa tcccggggac ccggttttaa ngggatccng attcctccaa 420
agggaaacgaa anaaccaatt gggggaangg agaaaatttg g 461

<210> 13343
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-F4

<400> 13343

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caaccatttg aatacatggt tttcaatttc actacagata aagaagaagt gacttactca 120
tttagaatca ctaaaagcga cgtttactcg agattaagca taagctcttc aggattgtta 180
caaagattca cttggattga gacagcacag aattggaacc aattctggta cgcacaaaaa 240
gaccaatgtg atgagtacaa agagtgtggt gtttacgggt attgcgactc gaacacttca 300

gcggaatcaa agagattgga gagagtgagt tttcgagtac ggttctcgaa tcagcccagc 360
 cggtttttggg tgaattcgtc gctacttggg gcggtccctg caaattgatc tatccagcta 420
 tggaaagcct tatctcaagg aatatgggtga caaattgacg attgtaaaga ttgatcacga 480
 cgctaatcca aagttaataa cggagttcaa gggttatggg ttaccgc 527

<210> 13346
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-033-Q1-E1-F7
 <400> 13346

cccgcaaadc tcaaccatcc accaccacaa ccaccgcacc atcttctctc tccgcccgcct 60
 cctctctcca ccacctcata gacccaaaac acaaaaaccc ttcttccaaa tccgaccgaa 120
 tcggtctctc ttaaaacact ccatggaagt cgaagtcaag ctccgtctcc taaccgcccgc 180
 tgctcatctc cgtctcacca ctctctctac tccataccac ctcaaaaaccc ttcaccaacg 240
 caacaccttc ttgcacacac ccaaaaacga cctctctctc cgccgcgccc tcttccgtct 300
 ccgcttcttt caaaacgccc ccggtttccgc ggcttctctt tctccgcccgc gttgtatcgt 360
 ctctcttaaa gcgaagcaac tctaagctaa tgggattagt cgtgtggagg aagatgaaga 420
 ggagattgag tattggattg gta 443

<210> 13347
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-F8
 <400> 13347

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 gtgaagactg aggtcccggg gaaggatcca tcgctaagcg tcgtcgattc gaaaacgaag 120
 ggagtcgagg atgcgaacac tgagatagcc ttgtccgatg aggttgaaat cgagacgaag 180
 ggaagcgatt cgacaccggg gaaagctccg agtcgaacat cgtctggatc gaagaaatct 240
 gtacattgga gcccgaatt ggtgtctgga tctcaggaac cggatcagaa agctgcatcg 300

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-G3

<400> 13350

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aagcacagtc gaatgcatgg gtgtggtgtc tatgaagtta acgaacgcat cctatatggt 120
agattctact ttggggagct attggaggag gagcatggct gtaccgtaga tatttgtgcg 180
ctgcattctg gtttggcgga ggtggctgca gctaaggctc gaatgtttgt aaacaaaccc 240
gacggaagta ttgccccctt tctttaccac ttcttctgtt tggttctgtg tattaagtat 300
aaaccaagac atatttttagg gatttgtttg attcctttag atnagtgcaa gaccctctct 360
agtaaccatc attctgtttc aaatatatat ttcgcttttc tttcaagcaa tgtccaacnt 420
atgaaagtga ggaanaaaac tgggtc 445

<210> 13351

<211> 446

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-033-Q1-E1-G4

<400> 13351

accctagaat tcgcctcctc tttccaaaat tcccaatttt tgtaatgacg ggatagaaaa 60
attcccaatg tccgctttat ctttcattct cgattagaat tcttcaacca aaggctactc 120
tctctccggt ccattgcttc tggatttcgt ttttaagggt tttacatttt tectgccttc 180
ttttacccat cagaggaagt ttcaagccat tttgttaatc agctctctca taagctaaga 240
tgtcgtcatc gcctttttcca gtcttgggac aaccgaccaa ttgataagtg gaaggttacg 300
gaattgaaag aagagcttaa aagacggaga ctaacaacaa gaggcttgaa ggaggaattg 360
gttaggcgtc ttgatgaagc acttcgtgct gagcaagaag agtctgaaag gatnaatagt 420
gctactgttg ctgctgctga aaaagc 446

<210> 13352

<211> 435

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-G5

<400> 13352

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tggaacatat ttcgagcctc aatattctca agcacgagtt ataaccacta tggcactaat 120
cttattcaca gcgcttgatg atatgtatga tgcataatggc acaatggagg aacttgagct 180
tttctactgat gcaatggatg agtatagcat ttgtaacata taatttaggg agtattataa 240
agggtaaggt tgatTTTTTT tttgatgggt ttgacttctc tctaacgtag gtggcttccc 300
gttgttcctg atgagatacc gatacccgat agcatgaagt tcatttaciaa tgtgacngta 360
gaattctatg ataaactcga cnaggacttg agaanagaag gaaggggtcan ggtgcgggtt 420
caaccttaag aaatc 435

<210> 13353
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-G8

<400> 13353

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tcaaactaca tttggaagct gancaggcca agagtagcaa agaagcctgc aaaaccacgc 120
aagatgcaga gcacatggct attcgtatc tcggtttaag agcatattca gcagctgacc 180
tgaagaagaa gctcatagga aagaaatatc ctattgaagt cgttgacaaa gtgatcgatg 240
atttccagat tcgagggttt gtcaatgata gcttgtaacg ggagtcattc actcgatcta 300
ngatgggtent ccttaagttg gggaccaagg cgggttnaaa caancattgn ttaaagaaag 360
gcataancan caanngactc agnngacggn cataaagcct ggtttttgag aanacgccaa 420
tgcaatgang ggagatgaa 439

<210> 13354
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-G9

<400> 13354

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taccgccgcaa tggcactggc ttagtgaana gcttacaaga gttgataggg agaaancacc 120
ttggntaatt gttttgatgc acgtcccaat atacaacagt aatgaagcac atttcatgga 180
gggtgaaagc atgcgagcag cttttgagga gtggtttgtc caacacaaag ttgatgtaat 240
ctttgctggg catgttcatg cctacgagag atcgtaccga atatcaaag tgcggtataa 300
cgtgtcaagc ggagatcggt acccagttcc angataagtc agcgctgtt tatatcacan 360
ttgganacgg aggaaatcaa gaaagtctgg ctggaagggt aacggancac agccagataa 420
tctgcatttc cggaaantac ctatggc 447

<210> 13355
<211> 125
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-H11

<400> 13355

gctggnttta ccgaatcacc cttaacaacg gttatgaana cagtcttctc tctcttctct 60
tctctcgccg atcaagtaat ctacactta nacacttcaa gggatccagg gtcgangccn 120
ggtcc 125

<210> 13356
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-H3

<400> 13356

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atcgtcggag gtggtgtcgc cgccggatac gcggcgagag agttcttcaa ccaaggtgtc 120

aagcctggtg aacttgctat catttccagg gaacaagttc ctccatatga gcgtcctgca 180
 cttagcaagg gatatatcca cctcgaaaat aaagctacac ttccgaattt ctatgttgct 240
 gctggaattg ggggagagag acagttccct caatggtaca aagagaaagg tattgagctg 300
 attttgggca canagattgt caaaagcaga tnttgctgcg aaagacactt tgtcaatggg 360
 gactgggaca aagtccttca aagttaccaa aacttttgcc taanctgcaa actgggttcc 420
 ntccggtcaa taaanggggt gtcaagaatt tttgggcgtc cccaaagggt gcaanaatgc 480
 cnaa 484

<210> 13357
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-F11
 <400> 13357

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 gacagagaag aagctgcgaa ctttaaattgt cacaggctgt aattttcaag ccgtttgttt 120
 cagttccatc aagtaatcac agccagagga aactacagaa caatattatc aatgttggtg 180
 ttaaaatcca aaaccgatc agagttgttt gtaggggaat gttggctcca aggaaattcc 240
 tgnaaaagag gnggaaaatg gaggttttca agggntgcaa ctgacganac gggttagaag 300
 agatggagaa ggcttatgct agaaattgaa tcnaccgggt tctgcngttc cggtgcntaa 360
 gcaatacaaa actgaccggt gaccaangnc ctccaanggg attnttgttt tgggtacttt 420
 gggtaaaatt taagcaacct taagaaatgg ggacc 455

<210> 13358
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-C8
 <400> 13358

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aatccaatcc atcgccaccg ttattcgcca aagtctccgt ctttcgatgc agagcttccg 120
 tacaaaacct cgtcgccgtt gagccggagc cagttttcgt ctccgtcaag acttttgccg 180
 cagccaccgt cgctaatttg ggaccagggt ttgattttctt aggatgtgcc gtcgatggtc 240
 tcggagacca tgtgactctc cgtgtagatc cctctgtacg agccggtgag gtctcaatct 300
 cggagatcac cggaaccaca acaaaactca gcacgaacct tctccggaac tgcgccggga 360
 atcgctgcta atgctacgat gaaagatgtt aagggatnaa gattcggttg tttaacatta 420
 agatttgcac aaangg 436

<210> 13359
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-C9
 <400> 13359

atltcaccgc ctttctcata gcagctctcg ccgactctgt gtaatcgga atcggtaatc 60
 gtcagggtct gtttggggta cggcgacgag attttctgat tattagggtt taagatctcg 120
 aggttgagga gagcttgaaa agttgtttgt caacatggag cgcaagacta ttgacttgga 180
 gcaaggatgg gactatatgc agactggaat tactaagctg aaacggattc tggaaggatt 240
 gaatgagcca gcatttgact ctgagcaata tatgatgctt tatacgacta tctacaacat 300
 gtgcacccag aaacctctc atgattactc acagcagctt tatgacaaag tatcgggaag 360
 catttgangg atatattaac tcaacaattt ttccctgcgt ttaagggaga agcatgataa 420
 nttaagcctg cgggaagcaa tttaaaagat ggc 453

<210> 13360
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-D1
 <400> 13360

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aatcactagc tagtgactaa actaaatccc aattatgggt cgtgtacatt ttggtgtatc 120
 agcattcttt gttttttggt tgttaggttt atcagcta at gcaaagatct tcaatattaa 180
 ttctcctcca ggttctgata tcaactaacgc attggtgaaa gcattcaatg aggcatgcc 240
 attcccgaca aagagcaccg ttatgatccc aaaagggtgaa tacaagcttg gggagatcgt 300
 gatgatgggg tccatgcaaa gctccctata aggattgctc ctctnngta cccgtgaaag 360
 ctgaccgtaa cgctaattggg aaanggaaaa tgggtcgctt tccgcaacat taatnggggt 420
 taagtttaac cggacgtggt tgtttcgacg gtgaanggaa 460

<210> 13361
 <211> 517
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-D11

<400> 13361
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 ggggttaang ntaatggnag aatccaaagg aacgaagaca agaaagcgag ggaacacata 180
 tatgagatgc atganagggtg caaagaagat taaggagatg tgggcattgc ctantcgtcc 240
 ttatggattc tggacatttg agcgtcacia tgctcaactt ccgttgggat cctcaaatca 300
 gtcangttgc tgggccaaag gattcttaat gatgatcttc ccnaagacaa ctacactcct 360
 ccttctcct cctctcctc ctcaagacta atccaaacaa tggaaagaag atgtgttaat 420
 gccgtccngg atnggatgca agttttgggt tcaaaccaat ttttcnccg aatttggtccg 480
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<210> 13362
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-D12
 <400> 13362

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 ggaaagctac accaagctta tgggttttgg aaatggggag ctttgattat cgcatttcta 180
 gcttatttca ccaactttgt tagtaaaactc aacagtctag ttggttaggtt aagaaaaata 240
 gatgtctctg tttcctctcc aactcttttt gatgattacg atagcgattc cgatgtttct 300
 tgttctcta ccgtctctc tgacgatgaa aaagacgaag aagatgaggc tgaatgatga 360
 aagatgaggg atgttgactc catctttaat cgaagacnat caacggangt ttccgcgtta 420
 gaggatctga taatacgaat gatgatgag 449

<210> 13365
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-D7
 <400> 13365

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 tgggcttgct gaaagaaacg tgatatatat gcagtgagcc agtgatcatg caaaagaaat 180
 tcagagtgcg atagagaaga tggagcctga acgtttaaaa tttggaggtc caagagagtt 240
 gtgcggtgct gcggatctta tatctcaatt caaactagtgc caacaccatg aattcttttg 300
 caagaaatct cttcctgttt ctttatcaga ttcccattat cttcataatg tggttgggga 360
 cacaagagat nagaaaanga gaangaatgc aattagatna gcttaatgga gagcatatca 420
 caagagcccg ggagactaat antcgcatcc 450

<210> 13366
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-D8
 <400> 13366

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cggccaccac cgtcaacatc cctaacatct cagcagccac catcaccccc ctcacagctt 120
 cccctecgta caatgccggg atcgtagcggc tggccgttgg ntgggccatt ancggaccgt 180
 ttagattcca aggacccgan aagtttttcc ggacaagagc tgagaagtat aagagcactg 240
 tgttccgtac aaatattcct cgcagctttc ctttcttcgg caacgttaac nctaacatcg 300
 tcgccgttcn tgacgtcaan tcttttagcc atctttttga catggatcta gttgataaaa 360
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 gttatctc 428

<210> 13367
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-D9
 <400> 13367

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 ttcgagctag gaccaaacc atcagacatg aaaggaacag aaatactaaa caaactagca 180
 ataccaaact gggaagtcac aggattcgtc gaatacatta aatcaggaca taaacaagga 240
 gacatgcttc tcgttggttc cgcgggtaaa ttcgctgtaa gacttgggaa cgaagcatcg 300
 atcaaacaaa gacttaaagt ggtaaaggaa tgtattactc actcaacttt tagtgctgct 360
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<210> 13368
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-033-Q1-E1-E12
 <400> 13368

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ccaggagtga atattcttgc agcttggact ggagacatgg caccatcgag tttatcatct 180
gatccaagga gggttaagtt caatatactg tctggaactt caatgtcatg tcctcatgta 240
agtgggttag ctgctttgat caaatcaagg catccagatt ggagtcctgc agcaatcaaa 300
tcagctctca tgacaactgc ttatgttcat gacaacatgt ttaagcctct tacggatgca 360
tcaggagcag ctcccttcac gccttatgat cagggtgcaa gacatataga ttctttaaga 420
gctacaagat cctgggtt 437

<210> 13369
<211> 443
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-E5
<400> 13369

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ggttgggtaca gttgcagaaa tggcgtcatt tgagatttgt tgtgcaaaat ggatcagctt 180
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tgaagaactt tactgtctct tacctcgttg attcattggg tttagctaca aaactcgctg 300
aatcaatctc aaagaaagtc agtttcgtga acaagggcaa tcctgattta gttctgagtc 360
tttttagaag ttatgggggt cacaaaattc tcaagatctc cagcatcaat tacggattaa 420
cctagattgc ttctaataaa ang 443

<210> 13370
<211> 447
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-033-Q1-E1-E6
<400> 13370

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 ggttgctccg aatgggcaca aatctgataa gaaacttata agcaagttgt cttcaagctc 180
 atttggaagg agacaaagtg tgtgtcctag acccagaaga tccagttctg caattgtgtg 240
 cgcagcaaag gaattacatt tcaacaaaga tgggactacc attaggagac ttcaagctgg 300
 tgtcaacaag ctgcgagatc ttgttggtgt tacacttgga cccaaaggac gaaatgttgt 360
 tcttgagagc aagtatggat naccacgaat tggttaatgat ggtgtgactg ttgcaaagag 420
 angttgagtt ggaagacccg gttgaga 447

<210> 13371
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-F1
 <400> 13371

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 aacaaaatcg atgttttttaa acgagaactc cctttatgca tgctcttatt gaacgaagcg 300
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 gtgttttcaa gtgagttctc gaagaagatt agaggagaag ctgatagcaa tctgaattt 360
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 <212> DNA
 <213> Arabidopsis thaliana
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<211> 438
<212> DNA
<213> Arabidopsis thaliana
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aatttgatcc tggncctctg agttgtacac agaaatgcaa ggcnggtggg tcttgtcctt 360
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<211> 407
<212> DNA
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<210> 13378
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<223> unsure at all n locations
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<210> 13380
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 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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6500-437-6500